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SCREENING SITE INSPECTION REPORT FOR VENUS LAB, INC.

WOOD DALE, ILLINOIS U.S. EPA ID: ILD002992220

SS ID: NONE TDD: F05-8912-100 PAN: FILO319SB



928124

AUGUST 26, 1991



# ecology and environment, inc.

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Ecology and Environment, Inc.

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#### 1. INTRODUCTION

Ecology and Environment, Inc., Field Investigation Team (FIT) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of the Venus Lab, Inc. (Venus), site under contract number 68-01-7347.

The site was initially discovered by Curt Bressner, City Manager, Wood Dale, Illinois, in July 1978. The site was discovered when Bressner reported that very acidic discharges from the site had damaged equipment in the city's sewer system (Langley 1978).

The site was evaluated in the form of a preliminary assessment (PA) that was submitted to U.S. EPA. The PA was prepared by Larry Winner of the Illinois Environmental Protection Agency (IEPA) and is dated August 8, 1984 (U.S. EPA 1984).

FIT prepared an SSI work plan for the Venus site under technical directive document (TDD) F05-8912-100, issued on December 13, 1989. The SSI work plan was approved by U.S. EPA on May 7, 1990. The SSI of the Venus site was conducted on November 14, 1990, under amended TDD F05-8912-100, issued on May 11, 1990.

The FIT SSI included an interview with site representatives, a reconnaissance inspection of the site, and the collection of six soil samples and one monitoring well sample.

The purposes of an SSI have been stated by U.S. EPA in a directive outlining Pre-Remedial Program strategies. The directive states:

All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined

preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined prelimitary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such is RCRA [Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statites are not candidates for a listing SI.

The listing SI will address all the data requirements of the revised HRS using field screening and NFL level DQOs. It may also provide needed data in a firmat to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another althority will receive a listing SI. (U.S. EPA 1988)

U.S. EPA Region V has also instructed FIT to identify sites during the SSI that may require removal action to remediate an immediate human health or environmental threat.

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## 2. SITE BACKGROUND

#### 2.1 INTRODUCTION

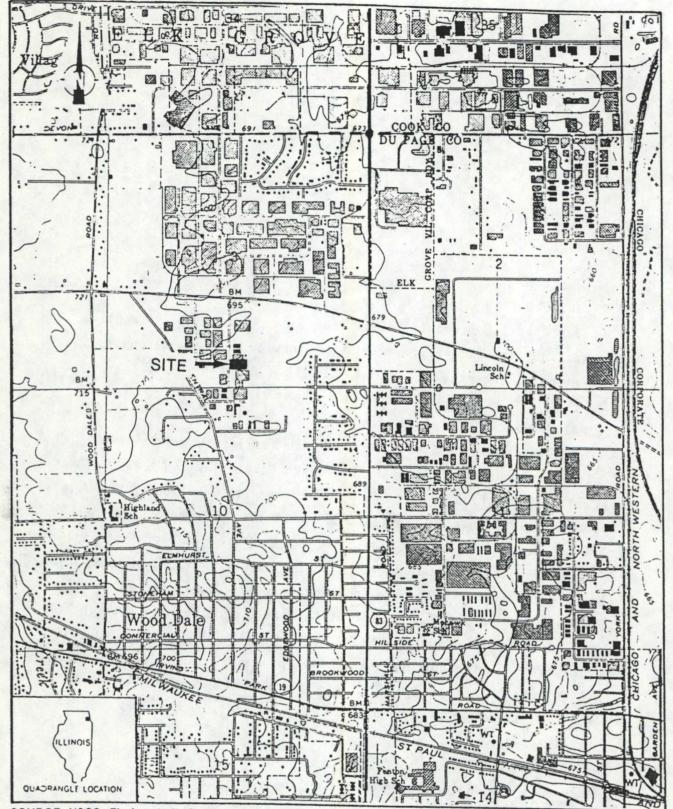
This section presents information obtained from SSI work plan preparation, the site representative interview, and the reconnaissance inspection of the site.

### 2.2 SITE DESCRIPTION

The Venus site is located in an industrial park at 855 Lively Eculevard, Wood Dale, Illinois, in DuPage County (NW1/4SW1/4SW1/4SE1/4 sec. 3, T.40N., R.11E.) (see Figure 2-1 for site location). The site is approximately 1 acre in size, and is owned and operated by Venus Laboratories, Inc. (Venus Labs). The site is an active facility that manufactures janitorial supplies and cleaning solutions from sulfuric acid, isopropanol, butyl cellosolve and other raw materials, including chlorinated and aromatic solvents. Venus Labs also manufactures plastic containers for its products (Manolas and Manolas 1990). The Venus site is located near the northeastern corner of Wood Dale, Illinois. O'Hare International Airport is approximately 3 miles east of the site. A 4-mile radius map of the Venus site is provided in Appendix A.

# 2.3 SITE HISTORY

Venus Labs opened its Wood Dale facility in 1975. The use of the site prior to 1975 is not known (Manolas and Manolas 1990). The Venus site is an active facility that manufactures janitorial supplies. The principal raw materials used on-site include sulfuric acid, number 2 diesel fuel, and isopropanol. Compounds that are constituents of other



SOURCE: USGS, Elmhurst, IL Quadrangle, 7.5 Minute Series, 1963, Photorevised 1972 and 1980.

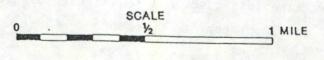


FIGURE 2-1 SITE LOCATION

raw materials include 1,1,1-trichloroethane, ethyltoluenes, xylene, trimethylbenzene, and 1,2-and 1,4-dichlorobenzene. Liquid raw materials are stored in 55-gallon drums, except for sulfuric acid, which is stored in 1,200-gallon aboveground storage tanks. Solid raw materials are stored in fiber drums in six on-site semi-trailers (Manolas and Manolas 1990).

Products are manufactured by combining between two and eight raw materials. Site representatives reported that there are no chemical reactions in the production processes, nor are any wastes generated. There are approximately 40 employees on-site. Plastic containers for the products are made and filled at the site (Manolas and Manolas 1990).

In July 1978, Curt Bressner, Wood Dale City Manager, reported to IEPA-Division of Water Pollution Control (DVPC) that acidic waste chemicals were being discharged in runoff via a gully in the southeast corner of the Venus site and entering an unnamed tributary of the Des Plaines River. Preliminary sampling determined that the pH of the runoff water in the unnamed tributary was 1.0 (Langley 1978). Bressner also reported that a sewage lift station was destroyed by chemical wastes that he believed had been discharged from the Venus site (Langley 1978). The City of Wood Dale sued Venus Labs for damages (Kaplan 1980), but the outcome of the lawsuit is not known.

In 1979 IEPA-DWPC collected samples from a storm vater drain adjacent to the site and from the unnamed tributary (DuPage County Circuit Court 1985; Kaplan 1980). However, the cause, nature, extent, and results of DWPC's investigation are not known.

In July 1980, U.S. EPA received an anonymous tip from a Venus Labs employee. The employee alleged that chemicals were spilled from corroded storage tanks onto the ground and released into the unnamed tributary (Kaplan 1980). The investigation of the complaint was referred to IEPA-Division of Land Pollution Control (DLPC).

Brad Benning of IEPA-DLPC inspected the Venus site on July 15, 1980. He observed evidence of poor management of chemicals at the site, including stained soil and leaking 55-gallon drums. A surface water migration route was observed to the unnamed tributary. Two soil samples and one water sample were collected (Benning 1980). One of the soil samples was collected near an outdoor storage platform on the east side

of the Venus site. The second soil sample was collected from a gulley that leads from the site to the unnamed tributary. The water sample was collected from the unnamed tributary. IEPA's analysis of the samples detected aliphatic hydrocarbons and 2-butoxyethanol (butyl cellosolve) in the soil samples and trace amounts of aliphatic hydrocarbons in the water sample. IEPA's analysis did not detect any heavy metals in the three samples (IEPA 1980).

Benning conducted follow-up inspections in August and October 1980. He observed that site management practices had not changed since his July inspection (Benning 1980a, 1980b). Four soil samples were collected during the October inspection. IEPA did not detect any heavy metals, and no analysis for organic compounds are known to have been conducted (IEPA 1980a).

IEPA-DLPC and DWPC conducted approximately 26 inspections at the Venus site between July 1980 and April 1984. These inspections led to two lawsuits: one under the Federal Water Pollution Control Act and one under the Illinois Environmental Protection Act.

The former, <u>United States of America v. Venus Laboratories</u>, <u>Inc.</u>
(<u>U.S. v. Venus Labs</u>), was settled in 1985 in a plea bargain (United States District Court 1985). The latter, <u>People of the State of Illinois v. Venus Laboratories</u>, <u>Inc.</u> (<u>Illinois v. Venus Labs</u>), was settled in 1985 in a consent decree (<u>DuPage County Circuit Court 1985</u>).

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In <u>U.S. v. Venus Labs</u>, Venus Labs pleaded guilty to four counts of releasing chemicals into the unnamed tributary without a National Pollutant Discharge Elimination System permit. The releases cited in the plea bargain occurred on August 21, October 7, October 10, and October 23, 1980. Venus Labs paid a fine of \$10,000 (United States District Court 1985).

In <u>Illinois v. Venus Labs</u>, a consent decree was issued which required Venus Labs to take several corrective actions to prevent the release of chemicals from storage areas and containers at the Venus site. Venus Labs was also required to periodically inspect its storage areas, to install two monitoring wells, and to submit five monitoring well samples per year for analysis. Venus Labs also paid a \$4,000 fine (DuPage County Circuit Court 1985).

Another mandate of the consent decree required Venus Labs to test eight on-site underground storage tanks (USTs) for leaks and to repair or decommission any leaking USTs. The USTs were tested in spring 1985. Two of the eight USTs were determined to be leaking (Renzer 1985). The corrective action, if any, taken by Venus Labs at that time is not known. The installation date of the USTs is also not known.

Additional on-site soil samples were collected during IEPA inspections in September 1985. IEPA's analysis detected several organic compounds, including 1,1,1-trichloroethane and tetrachloroethylene, in one of the three samples collected. Aliphatic hydrocarbons were detected in all three samples (IEPA 1985). No analyses for heavy metals are known to have been conducted for these samples.

In September 1987, IEPA performed another inspection at the Venus site during which four soil samples were collected. Copper, lead, and zinc were detected in IEPA's analysis of the samples (IEFA 1987). No analyses for organic compounds are known to have been conducted for these samples.

During the September 1987 inspection, IEPA-DWPC inspector Dean Lee observed evidence that chemicals had spilled or leaked onto the ground at the site (Lee 1987). It is not known whether legal action was pursued at that time to enforce the consent decree or whether new lawsuits against Venus Labs were filed or have been filed since 1985. No other federal, state, or local regulatory or enforcement actions are known to have been taken or to be in progress.

Preliminary drive-by inspections were conducted on July 20, 1990, and September 20, 1990, in order to prepare for on-site activities. A patch of tan-brown grass was observed near the center of the site's west lawn during the July 1990 drive-by inspection. During this inspection FIT did not observe any evidence of excavation at the Venus site. However, during the September 1990 inspection, a backhoe and a mound of what appeared to be dirt and construction debris were observed near the east border of the site.

In fall 1990, Venus Labs made three attempts to remove the on-site USTs. During the first attempt, the Wood Dale Fire Department observed that the excavation of soil from around the USTs was causing a roof over the outdoor storage platform to destabilize (Forrest 1991). Wood Dale

Fire Department issued a stop work order on September 18, 1990 (Manolas and Manolas 1990; Crocetti 1991). Work was not permitted to continue until the roof was secured.

In early October 1990, Venus Labs began to remove USTs from the ground. However, the work was stopped by Wood Dale Fire Department when Venus Labs refused to allow IEPA to oversee the work (Forrest 1991). One week after the FIT SSI, on November 19, 1990, a representative from the Illinois State Fire Marshall's Office stopped removal work when Venus Labs again refused to allow oversight by IEPA (Forrest 1991). On April 3, 1991, the USTs at the Venus site were removed under the supervision of representatives from IEPA, Illinois State Fire Marshall's Office, and the city of Wood Dale. Venus Labs' plans for the containment structure where the USTs were located are not known (Forrest 1991a).

# 3. SCREENING SITE INSPECTION PROCEDURES AND FIELD QBSERVATIONS

### 3.1 INTRODUCTION

This section outlines procedures and observations of the SSI of the Venus site. Individual subsections address the site representative interview, reconnaissance inspection, and sampling procedures. Rationales for specific FIT activities are also provided. The SSI was conducted in accordance with the U.S. EPA-approved work plan with the following exceptions. One additional soil sample was collected to aid in the characterization of the site. Only one monitoring well sample was collected instead of the two specified in the work plan. File information indicated that two wells had been installed at the site; however, only one monitoring well was installed.

The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Venus site is provided in Appendix B.

# 3.2 SITE REPRESENTATIVE INTERVIEW

Charles G. Hall, FIT team leader, conducted an interview with John Manolas, Vice President for Research and Development, and Elli Manolas, Office Manager, both of Venus Labs, on November 14, 1990, at 9:10 a.m. in an on-site office. Jennifer Dubay and Greg Youngstrom of FIT were also present at the interview. The interview was conducted to gather information that would aid FIT in conducting SSI activities.

# 3.3 RECONNAISSANCE INSPECTION

Following the site representative interview, FIT conducted a reconnaissance inspection of the Venus site and surrounding area in

accordance with Ecology and Environment, Inc. (E & E), health and safety guidelines. The reconnaissance inspection began at 10:20 a.m. on November 14, 1990, and included a walk-through of the site to determine appropriate health and safety requirements for conducting on-site activities and to make observations to aid in characterizing the site. FIT also determined sampling locations during the reconnaissance inspection. FIT was accompanied by John Manolas; Mike Maresse, Plant Manager, Venus Labs; and Irving Dromsky, Ph.D., consultant, Allied Laboratories, Inc., during the reconnaissance inspection.

Reconnaissance Inspection Observations. The Venus site is located in an industrial park near the northeastern corner of Wood Dale, Illinois. The site is bordered on the north and south by other buildings in the industrial park. Lively Boulevard borders the site on the west. A parking lot for another industrial building borders the site on the northeast. An open field is adjacent to the site on the southeast. The Venus site is not fenced (see Figure 3-1 for site features).

The site is approximately 1 acre in size (300 feet by 160 feet). The majority of the site is occupied by the building that houses the manufacturing operations. The building is 100 feet wide and 200 feet long. An asphalt driveway on the north side of the building extends east from Lively Boulevard to the east side of the building. A shorter concrete driveway extends off of Lively Boulevard to a loading dock in the northwest corner of the building.

A lawn is located between the west side of the building and Lively Boulevard. The lawn is vegetated with grass, two trees, and shrubs. A small rectangular patch of grass is located in the southwest corner of the site. No discolored vegetation was observed during the SSI. An employee parking lot extends from Lively Boulevard along the south side of the building to the eastern border of the site. The south edge of this parking lot forms the south boundary of the site.

Sulfuric acid is stored in four aboveground 1,200-gallon tanks. The tanks are located on a concrete foundation near the southeast corner of the building. A 5,000-gallon, concrete, fiberglass-lined, sulfuric acid collection basin is located directly west of the sulfuric acid tanks. Directly east of the sulfuric acid tanks is a catch basin that is situated on the same level as the parking lot. This catch basin

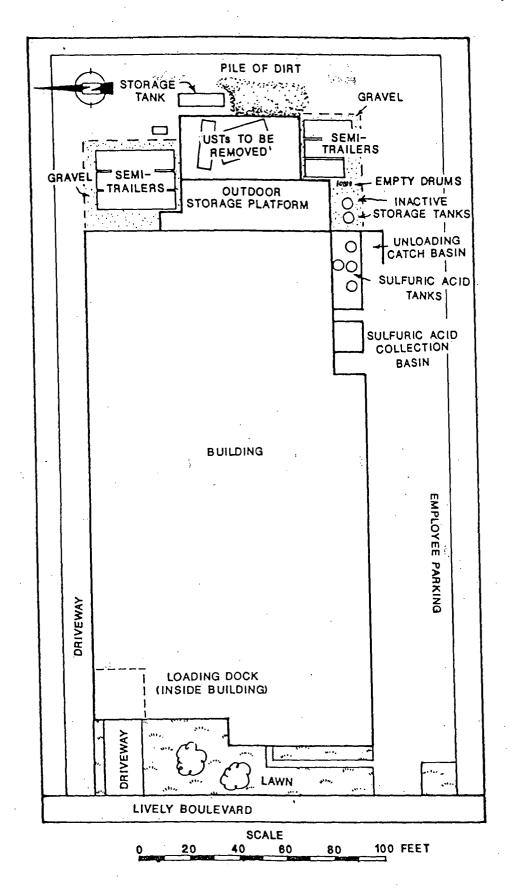


FIGURE 3-1 SITE FEATURES

collects small amounts (less than approximately 50 gallons) of liquids that are spilled when liquids are unloaded from tanker trucks and transferred to the sulfuric acid tanks.

The outdoor storage platform is attached to the east side of the building; it is covered with a shingled roof, but there are no outer valls. The platform is approximately 75 feet long, 20 feet wide, and 4 feet above the ground. Flammable raw materials are stored in 55-gallon drums and smaller containers on the platform. FIT was not able to determine the number of drums on the platform.

The UST containment structure is attached to the storage platform. The containment structure is approximately 60 feet long, 25 feet wide, and 4 feet high. Apparently, the tanks were placed at or near ground level inside the concrete-walled structure, the cavities between the tanks and the walls were filled with dirt, and the dirt and the tanks were covered with concrete. At the time of the SSI, FIT observed USTs still in the containment structure; however, at least two USTs had been partially removed from their former positions.

A mound of dirt and concrete construction debris was observed southeast and adjacent to the UST containment structure. The mound was covered by a blue tarp. The dirt and debris had been excavated from the UST containment structure.

Two inactive, aboveground storage tanks were located on the ground near the southwest corner of the storage platform. Approximately 35 empty 55-gallon drums were observed south of the southeast corner of the platform. The drums were stacked horizontally on pallets where they will remain until they are returned to Venus Labs' supplier(s) with the next shipment (Manolas and Manolas 1990).

Six semitrailers were parked on gravel areas east and west of the storage platform and the UST containment structure. The semitrailers are used for storing solid raw materials. Three of the semitrailers were parked south of the UST containment structure (Manolas and Manolas 1990). The aforementioned empty 55-gallon drums were positioned against the westernmost of these three semi-trailers. The other three semi-trailers were parked north of the storage platform.

Another aboveground storage tank was observed on a steel rack east of the UST containment structure. The contents of the tank, which has a capacity of approximately 500 gallons, are not known.

FIT did not observe the unnamed tributary of the Des Plaines River previously sampled by IEPA inspectors because the bed of the tributary had been filled in during the development of property adjacent to the east side of the Venus site. Site representatives did not know the exact date when this occurred; however, file information indicates that the development occurred sometime between 1980 and 1984 (Benning 1980; Manolas and Manolas 1990).

FIT photographs from the SSI of the Venus site are provided in Appendix C.

### 3.4 SAMPLING PROCEDURES

Samples were collected by FIT at locations selected during the reconnaissance inspection to determine whether U.S. EPA Target Compound List (TCL) compounds or Target Analyte List (TAL) analytes were present at the site. The TCL and TAL are included with corresponding quantitation/detection limits in Appendix D.

On November 14, 1990, FIT collected six soil samples, including a potential background soil sample, and one monitoring well sample. Portions of all on-site samples were offered to site representatives and the offer was accepted; however, because of a lack of sufficient water in the monitoring well, no monitoring well portion was available to give the site representatives.

Soil Sampling Procedures. Six grab soil samples were collected during the SSI of the Venus site. Soil sample S1 was collected at a depth of approximately 1 foot from the lawn located on the west side (front) of the building (see Figure 3-2 for on-site soil sampling locations). The sample was collected in an area where tan-colored grass was observed during the September 20, 1990, drive-by reconnaissance inspection.

Soil sample S2 was collected at a depth of approximately 1 foot from the southeast corner of the semitrailer parking area on the south side of the UST containment structure. Organic vapors were detected with the OVA at this sampling location.

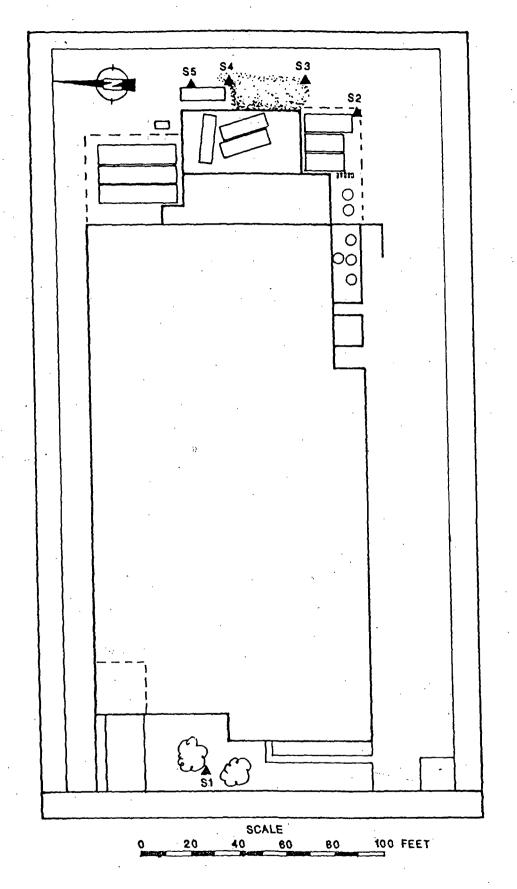


FIGURE 3-2 ON-SITE SOIL SAMPLING LOCATIONS

Soil samples S3 and S4 were collected from the pile of dirt located east of the UST containment structure. Sample S3 was collected from the south end of the pile of dirt; sample S4 from the north. The samples were collected at depths of 0 to 6 inches from the surface of the pile.

Soil sample §5 was collected under the storage tank that is east of the UST containment structure. The sample was collected at a depth of 0 to 4 inches.

Soil sample S6-was collected as a background soil sample from a location approximately 1/4 mile northwest of the site, 150 yards south of Thorndale Avenue, and 20 yards east of Central Avenue. This area was wooded and did not appear to be disturbed. The sample was collected at a depth of 0 to 6 inches (see Figure 3-3 for the off-site soil sampling location).

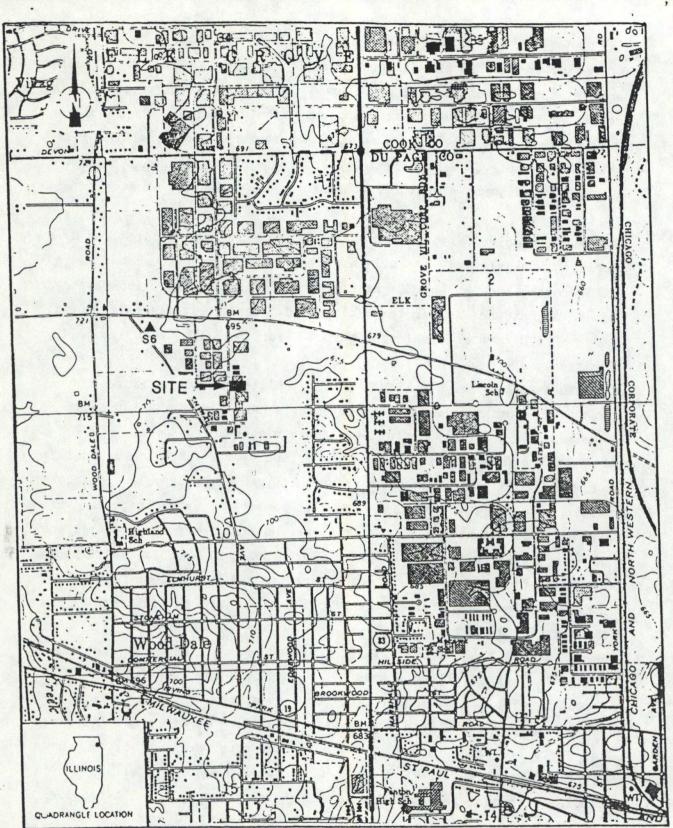
Surface samples S3 through S6 were collected using a trowel. Subsurface sample S1 was collected using a hand auger, and subsurface sample S2 was collected using a posthole digger and a shovel.

For samples S2 through S6, the portion of the sample to be analyzed for volatile organic compounds was transferred directly to the sample bottle from the sampling location. For sample S1, sample material was removed from the hole with a soil auger and transferred to a sample bowl before filling the sample bottles. For samples S1 and S2, the remaining portions of the samples were transferred to the bowl before filling the sample bottles. Otherwise, the sample bottles were filled directly from the sampling location.

Standard E & E decontamination procedures were adhered to during the collection of all soil samples. The procedures included the scrubbing of all equipment (e.g., trowels, spoons, bowls, shovel, posthole digger, and hand auger) with a solution of detergent (Alconox) and distilled water, and triple-rinsing the equipment with distilled water before the collection of each sample (E & E 1987). All soil samples were packaged and shipped in accordance with U.S. EPA-required procedures.

As directed by U.S. EPA, all soil samples were analyzed using the U.S. EPA Contract Laboratory Program (CLP).

Monitoring Well Sampling Procedures. One on-site monitoring well sample (MW1) was collected during the SSI of the Venus site. The sample



SOURCE: USGS, Elmhurst, IL Quadrangle, 7.5 Minute Series, 1963, Photorevised 1972 and 1986.



FIGURE 3-3 OFF-SITE SOIL SAMPLING LOCATION

was collected to determine whether TCL compounds and/or TAL analytes had migrated into groundwater in the vicinity of the site. The monitoring well is located in the gravel area east of the storage platform. The depth to water on the day of the SSI was 13.8 feet, and the well depth is 26.9 feet. During the venting of this well, the HNu detected organic vapors at the top of the well casing (see Figure 3-4 for the monitoring well sampling location).

In accordance with U.S. EPA quality assurance/quality control (QA/QC) requirements, a duplicate monitoring well sample and a field blank sample were collected. On the day FIT sampled the monitoring well, there was not enough water in the well to fill all of the sample portions; therefore, the portion of the duplicate sample to be analyzed for semivolatile organic compounds and pesticides/polychlorinated biphenyls (PCBs) was not collected. The duplicate sample was collected at location MW1. The field blank sample was prepared from distilled water.

The monitoring well was purged of three to five volumes of standing water prior to the collection of the sample. The monitoring well sample was collected with a stainless steel bailer that had been scrubbed with a solution of detergent (Alconox) and distilled water, and triple-rinsed with distilled water prior to the collection of the sample (E & E 1987).

As directed by U.S. EPA, the monitoring well sample was analyzed using the U.S. EPA CLP.

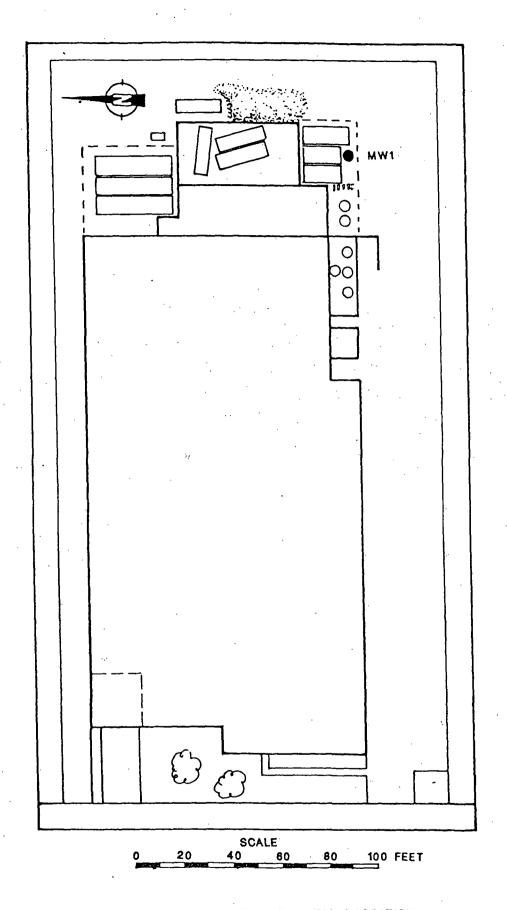


FIGURE 3-4 MONITORING WELL SAMPLING LOCATION

### ANALYTICAL RESULTS

This section presents results of the chemical analysis of FIT-collected soil and monitoring well samples for TCL compounds and TAL analytes. All samples except the duplicate monitoring well sample were analyzed for volatile organics, semivolatile organics, pesticides/PCBs, metals, and cyanides. The duplicate monitoring well sample was analyzed for volatile organics, metals, and cyanide only. The semivolatile organic and pesticide/PCB portions were not collected because there was not enough water in the monitoring well on the day of sampling. Complete chemical analysis of FIT-collected soil and monitoring well samples are provided in Tables 4-1 and 4-2. In addition, significant tentatively identified compounds (TICs) detected in the analysis of FIT-collected samples are also provided in Table 4-1.

Quantitation/detection limits used in the analysis of FIT-collected samples are provided in Appendix D.

The analytical data for the chemical analysis of FIT-collected samples for this SSI have been reviewed under the direction of U.S. EPA for validity; the review has been approved by U.S. EPA. The analytical data have also been reviewed by FIT for usability. Any additions, deletions, or changes resulting from review of the data have been incorporated in the chemical analysis results tables presented in this section.

Table 4-1

RESULTS OF CHEMICAL ANALYSIS OF PIT-COLLECTED SOIL SAMPLES

•			-		<del>-</del>	
Sample Collection Information		•	Sam	ple Number		•
and Parameters	. <b>51</b>	\$2	<b>S</b> 3	<b>S4</b>	s5	<b>s</b> 6
Date .	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90
Time	1110	1140	1200	1200	1240	1320
CLP Organic Traffic Report Number	EKW82	EKW83	EKW8 4	EKW85	EKW86	EKW87
CLP Inorganic Traffic Report Number	MEKD82	MEKD83	MEKD84	MEKD85	MEKD86	MEKD87
Compound Detected			. ·			
(values in µg/kg)	·					
				•		
Volatile Organics					•	
methylene chloride	<del></del> ·		3J	· · · ·		· <b></b>
acetone			<del></del>	4J		
1,1,1-trichloroethane			14	7		
trichloroethene V	·		12			
tetrachloroethene	·		23	31	·	·
toluene	· <b></b>	·	3 <i>J</i>	<del></del>		7
ethylbenzene V		2,700J		<del></del> ,	·	·
xylenes (total)		16,000J		<del></del>	<u></u> · :	
				, .	•	
Semivolatile Organics						
1,3-dichlorobenzene				2,500		
1,4-dichlorobenzene				2,600	<u> </u>	
1,2-dichlorobenzene		71,000	1,300	. 7,300		<del></del>
2,4-dichlorophenol		30,000J	470	·	79J	
naphthalene		11,000J	59J	<del></del>		
2-methylnaphthalene	763	33,000J	61J			
dimethylphthalate \					79J	
acenaphthene			60J			
phenanthrene	81J		350	·		
anthracene /			110J			
di-n-butylphthalate	<del></del>	200,000	30J			
fluoranthene			460		<u></u> -	150J

Sample Collection Information			Samp	le Number		
and Parameters	. 51	. S2	53	S4	. <b>S</b> 5	S6
pyrene	280J		340Ј		3703	79J
benzo(a)anthracene/	<u> </u>	·	170Ј		220J	68J
\ohrysene ✓	·	<del></del> ,	190Ј		G203>	76J
bis(2-ethylhexyl)phthalate		(14,000J.)	2,700J	7,100	4,600J	68J
benzo[b]fluoranthene/			170J		390	100J
benzo(k)fluoranthene		- <del>-</del>	79J		210J	40J
benzo[a]pyrene			130J		260J	
indeno[1,2,3-cd]pyrene		<del></del>	48J		88J	
wribenzo[a,h]anthracene			15J		16J	
benzo(g,h,i)perylene	· ·		46J		873	· <del></del>
A.						
Pesticides/PCBs						
Dieldrin 7	65	·				
4,4'-DDE	130					
4,4'-DDD (	110		··· . —			
4,4'-DDT	74	<del></del>				
TICs+						
benzene,1-ethyl-2-methyl		70,000J	·			· ·
(611-14-3)		•				
benzene,1,3,5-trimethyl		50,000J				. <b></b>
(108-67-8)						
benzene,1,2,3-trimethyl		60,000,				
(526-73-8)		, <del>".</del>				
benzene,1-methyl-3-propyl	<del></del>	20,000J		· <del></del>	<del></del> .	
(1074-43-7)	•		•	s.		
benzene, 1-methyl-3-ethyl	·	30,000J	<del></del>	<del></del>	<del></del>	
(620-14-4)			•		•	
decane	<del></del>	40,000j			<del></del>	
(124-18-5)						
1-methylnaphthalene	·	30,000J ·				

4-

Tabler 4-1 (Cont.)

Sample Collection Information		•	Samp	le Number		
and Parameters	s1	52	<b>S</b> 3	S4	\$5	, S6
,3-dimethylnaphthalene		<u></u> ·		2,000J	<del></del>	
1,7-dimethylnaphthalene		<del>-</del> -		2,000J		
(575–37–1)				1		
Analyte Detected				,•		
values in mg/kg)					•	
luminum	13,700	3,910	1,900	2,570	1,970	12,800
intimony /	<del></del>	6.88	÷		<del></del>	
rsenic .	7.3	9.2+J	4.5	4.5	28	6.5
parium	149	33.38	17.6B	20.1B	83.6	107
peryllium "	0.95B	0.6В	0.478	0.56B	0.56В	0.87B
admium	<del></del>	1.1B	<u></u> · · ·		(1.63)	
alcium	8,300	128,000	1.22,000	141,000	154,000	6,870
hromium,	23.7	31.2	5.1J	- 6.9	45.6	19.1
obalt	13.4	4 B	3.1B	2.7B	1.9B	13.2
opper	25.4	44	23.8J	13.2J	93.9	22.6J
ron	23,600	12,300	9,160	9,790	21,000	19,600
ead	(75.5)	11.9	5.9	5.7	28.1	21.4
agnesium	5,420	30,200	64,800	75,200	- 76,70D	5,220
nanganese	581J	. 188J	218J	420J	2673	778J
ercury	0.14>		<del></del> .	<b></b> ·	_	_
ickel	25.2	A,An	6.7B	6.58	a. In	20.5
otassium	1,910J	2,1903	390HJ	69884	5 14 n.J	1,360
elenium	0.67BWJ	·				
odium 🗸	71.2BJ	278B	196B	258B	528B	62.2BJ
hallium	0.77B			0.37в	0.3B	0.79B
anadium	29.1	9.2B	9.88	13.9	4.4B	28.6
inc 🗸	95.3	91.5	24.7	26.8	167	54.6

<sup>--</sup> Not detected.

<sup>+</sup> TIC Chemical Abstracts Service (CAS) numbers, if available, are provided in parentheses.

Table 4-2
RESULTS OF CHEMICAL ANALYSIS OF
FIT-COLLECTED MONITORING WELL SAMPLES

Sample Collection Information	•	Sample Number		
and Parameters	MW1	Duplicate	Blank.	
Date	11/14/90	11/14/90	11/14/90	
Time	1430	1430	1300	
CLP Organic Traffic Report Number	. E11296	EHZ98	EHZ99	
CLP Inorganic Traffic Report Number	нени66	MEHN68	MEHN69	
Temperature (°C)	. 59	59	58	\
Specific Conductivity (µmhos/cm)	1,647	1,647	11.78	٠.
н	11.10	11.10	9.85	
Compound Detected		•		
(values in µg/L)				
•				
Volatile Organics				
chloroethane /	9ј	9 <b>J</b>		
acetone -	. <b></b> .	15	· <del></del>	•
carbon disulfide	7			
,1-dichloroethane	18	1.8	. <b></b> .	174.
.,2-dichloroethene (total)	33			•
nalyte Detected				
values in µg/L)				
luminum	27.88	24.5B		
ntimony	22.9B	~ <del>~</del> _		
rsenic	1,. 2B	1.2B	· <del></del>	
arium	99.3B	11.3B	1.1BJ	
alcium	149_,000	180,000	. 135BJ	
hromium	<b></b> .	•	. 3.7ВЈ	
opper	29.4J.	33.8J	6.3BJ	
ron	35.1BJ	30.8BJ		
agnesium	1,670B	1,840B	49.8B	
anganese	7 B	2.2B		
ickel	67.6	94.2		

COMPOUND QUALIFIER	DEFINITION	INTERPRETATION
J .	Indicates an estimated value.	Compound value may be semiquantitative
ANALYTE QUALIFIERS	DEFINITION	INTERPRETATION
+	Correlation coefficient for standard additions is less than 0.995. See review and laboratory narrative.	Data value may be biased.
. В	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semi- quantitative.
<b>J</b>	Value is above CRDL and is an estimated value because of a QC protocol.	Value may be semiquantitative.
W	Post-digestion spike for furnace AA analysis is out of control limits (35-115%), while sample absorbance is <50% of spike absorbance.	Value may be semiquantitative.

Sample Collection Information		Sample Number		
and Parameters	MW1	Duplicate	Blank	
	· · · · · · · · · · · · · · · · · · ·			
potassium	10,200	12,300		
sodium	76,000 .	89,300	112BJ	
vanadium	3.5B	38		
zinc	9.6BJ	6.4BJ	3.2B	
- Not detected.				
•				

COMPOUND QUALIFIER	DEFINITION	INTERPRETATION
J ·	Indicates an estimated value.	Compound value may be semiquantitative.
ANALYTE QUALIFIERS	DEFINITION	INTERPRETATION
В	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semi-quantitative.
<b>J</b>	Value is above CRDL and is an estimated value because	Value may be semiquantitative.

of a QC protocol.

### 5. DISCUSSION OF MIGRATION PATHWAYS

### 5.1 INTRODUCTION

This section presents discussions of data and information pertaining to potential migration pathways and targets of TCL compounds and TAL analytes that are possibly attributable to the Venus site.

The five migration pathways of concern discussed are groundwater, surface water, air, fire and explosion, and direct contact.

# 5.2 GROUNDWATER

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The TCL compound 1,1-dichloroethane was detected in MV1 at 18  $\mu$ g/L. The TAL analytes detected in MV1 include copper (33.8J  $\mu$ g/L) and nickel (94.2  $\mu$ g/L) (see Table 4-2 for the definition and interpretation of the qualifier). Because there is no upgradient well sample, the TCL compound and TAL analytes may not be conclusively attributed to the site.

TCL compounds and TAL analytes were detected at concentrations above background levels in on-site soil samples. In sample S2, ethylbenzene was detected at 2,700J  $\mu g/kg$ , xylene was detected at 16,000J  $\mu g/kg$ , and 1,2-dichlorobenzene was detected at 71,000  $\mu g/kg$  (see Table 4-1 for the definition and interpretation of the qualifier). In sample S4, 1,2-dichlorobenzene was detected at 7,300  $\mu g/kg$ . TICs detected included alkylsubstituted benzene compounds. Mercury was detected in soil sample S1 at 0.14  $\mu g/kg$ . Other detected TAL analytes included arsenic, chromium, and lead.

There is a known history of on-site use of several of the detected TCL compounds. Material Safety Data Sheets for raw materials that are used on-site and that were detected in on-site soil samples include

1.2-dichlorobenzene, xylene, ethyltoluenes, and trimethylbenzenes as constituents (Ashland Chemical Company 1986, 1986a; ICI Americas, Inc. 1982; Cargill, Inc. 1990; EMCO Chemical Distributors, Inc. 1988).
Therefore, these TCL compounds are attributable to the Venus site.

There is a potential for the migration of TCL compounds and TAL analytes from the Venus site to groundwater, based on the following information.

- TCL compounds and TAL analytes were detected in on-site soil and monitoring well samples.
- A manufacturing facility that currently uses raw materials containing TCL compounds operates on-site.

The potential for TCL compounds and TAL analytes detected in onsite soil and monitoring well samples to migrate from the site is also based upon the following geological information. The geology of the area of the site consists of unconsolidated glacially derived deposits that overlie sedimentary bedrock. The unconsolidated deposits consist of clay, sand, and gravel. The sedimentary bedrock layers, in descending order, are Niagaran dolomite, Maquoketa Shale, and Glenwood-St. Peter, Ironton-Galesville, and Mt. Simon sandstones (Willman 1971).

Logs of wells in the area of the site indicate that most private wells draw from the Niagaran dolomite (see Appendix E for well logs of the area of the site). The unconsolidated deposits and the Niagaran dolomite are considered to be hydraulically connected because there is no confining layer that separates them (Willman 1971). Consequently, they are considered to act as a single aquifer and to be the aquifer of concern (AOC). The depth to the AOC, as evaluated from static water levels recorded in well logs, is approximately 25 feet. The sandstone formations are used as aquifers, but the Maquoketa Shale layer is believed to act as a confining layer between the Niagaran dolomite and the sandstone formations (Willman 1971). As a result, the sandstone aquifers are not considered to be parts of the AOC.

Drinking water for the local population is obtained from three sources: surface water intakes, groundwater from municipal wells, and groundwater from private wells. Residents within a 3-mile radius of the site in Des Plaines, Elk Grove Village, and Chicago obtain their drinking water from surface water intakes in Lake Michigan via their respective water departments (Fox 1990; Cox 1985; Walter 1990). Elk Grove Village maintains eight wells for emergency use only (Walter 1990). Six of the eight wells draw from below the Maquoketa Shale confining unit. The two wells in the AOC and four of the six other wells are within a 3-mile radius of the site (Woller, Sanderson, and Sargent 1986). However, because these wells are for emergency use only, they are not considered to be affected.

The municipal water systems of Bensenville, Itasca, and Wood Dale are cross-connected. The city of Bensenville's four wells draw from below the Maquoketa Shale confining unit. The cities of Itasca and Wood Dale each operate four wells that draw from the AOC. Wood Dale operates two additional wells. One of the wells is approximately 1/4 mile south of the site, draws water from below the Maquoketa Shale confining unit, and serves only industrial customers. Water from the vells within each municipality's system is blended before distribution (Voller, Sanderson, and Sargent 1986; Grossi 1990; Kindermann 1990).

The Itasca and Wood Dale wells in the AOC draw water from depths of 81 to 260 feet and range in depth from 107 to 260 feet. The total population served by these wells, plus the population in Bensenville, is approximately 34,504 persons (Woller, Sanderson, and Sargent 1986; U.S. Bureau of the Census 1982a).

Well logs of the area of the site indicate that private wells draw from the AOC. The wells vary in total depth from 127 to 230 feet. The nearest well is approximately 3/8 miles south of the site. Approximately 829 persons obtain drinking water from private wells within a 3-mile radius of the site. This estimate was calculated by counting 284 houses on U.S. Geological Survey (USGS) maps and multiplying this number by 2.92, the persons-per-household average for DuPage County (USGS 1961, 1962, 1963, 1963a; U.S. Bureau of the Census 1982). Areas not served by public water systems were identified by local water officials (Grossi 1990; Weinstock 1990; Kindermann 1990).

A potential does not exist for TCL compounds and TAL analytes to migrate from the site via windblown particles. Under normal operating conditions, no soil is exposed to the wind. At the time of the SSI, the dirt that was removed from the UST containment structure was completely covered with a blue tarpaulin to prevent wind erosion.

#### 5.5 FIRE AND EXPLOSION

According to federal, state, and local file information reviewed by FIT, no documentation exists of an incident of fire or explosion at the site. However, Lt. Mitchell Crocetti of the Wood Dale Fire Department reported one incident that occurred in approximately 1936. Heavy smoke from the facility's injection molding machine forced the evacuation of the building, but any fire was extinguished before firefighters arrived at the site. Damage from the fire was apparently limited to the injection molding machine. Crocetti did not believe that the Venus site is a fire hazard, and he reported that he was not aware of any hazardous waste incidents at the site (Crocetti 1991).

According to FIT observations and site-entry equipment readings, no potential for fire or explosion existed at the site at the time of the SSI.

### 5.6 DIRECT CONTACT

According to federal, state, and local file information reviewed by FIT, observations made during the SSI, and the interview with the site representatives, no incidents of direct contact with TCL compounds or TAL analytes at the Venus site have been documented.

However, a potential for direct contact with TCL compounds or TAL analytes does exist and is based upon the following information.

- The site is not fenced on any side.
- TCL compounds and TAL analytes were detected in on-site soil samples.
- Approximately 40 employees work at the site.

A total of approximately 35,333 persons obtain their drinking water from sources that could be affected by the migration of TCL compounds and TAL analytes: 18,380 persons who obtain their water from municipal vells in the AOC (11,251 in Wood Dale; 7,129 in Itasca); 829 persons (in Addison Township) who obtain their water from private wells in the AOC; and 16,124 persons in Bensenville whose municipal water system is crossconnected with a water system that obtains water from the AOC. possibility for residents in Elmhurst, Elk Grove Village, and, other municipalities to obtain their drinking water from wells that draw from the AOC does exist because the water systems of Itasca and Wood Dale are cross-connected with Bensenville's water system which, in turn, is cross-connected with the water systems of other municipalities. However, the extent of water usage from wells in the AOC that are in the cross-connected systems is not known, therefore no additional target population has been estimated (Woller, Sanderson, and Sargent 1986; U.S. Bureau of the Census 1982a).

# 5.3 SURFACE WATER

In accordance with the U.S. EPA-approved work plan, no surface water samples were collected during the SSI of the Venus site. The nearest surface water body is approximately 1 1/10 mile west of the site. However, topographic and man-made features would prevent runoff to any surface water body. The unnamed tributary of the Des Plaines River was removed entirely when adjacent properties were developed in the 1980s.

# 5.4 AIR

A release of TCL compounds or TAL analytes to the air was not documented during the SSI of the Venus site. During the reconnaissance inspection, FIT site-entry instruments (HNu, OVA, hydrogen cyanide monitor, radiation monitor, and explosimeter) did not detect levels that deviated from background concentrations at the site. However, during the sampling of monitoring well MV1, the HNu did detect organic vapors at the top of the well casing; although none were detected in the breathing zone. In accordance with the U.S. EPA-approved work plan, further air monitoring was not conducted by FIT.

The population within a 1-mile radius of the site potentially affected through direct contact with TCL compounds and TAL analytes at the site is 4,782 persons. This population was calculated by counting bouses within a 1-mile radius of the site on a USGS topographic map (USGS 1963a) and multiplying this number by the persons-per-household value of 2.92 for DuPage County (U.S. Bureau of the Census 1982). This copulation was added to the approximately 3,938 persons in Wood Dale and 578 persons in Elk Grove Village, who live within a 1-mile radius of the site.

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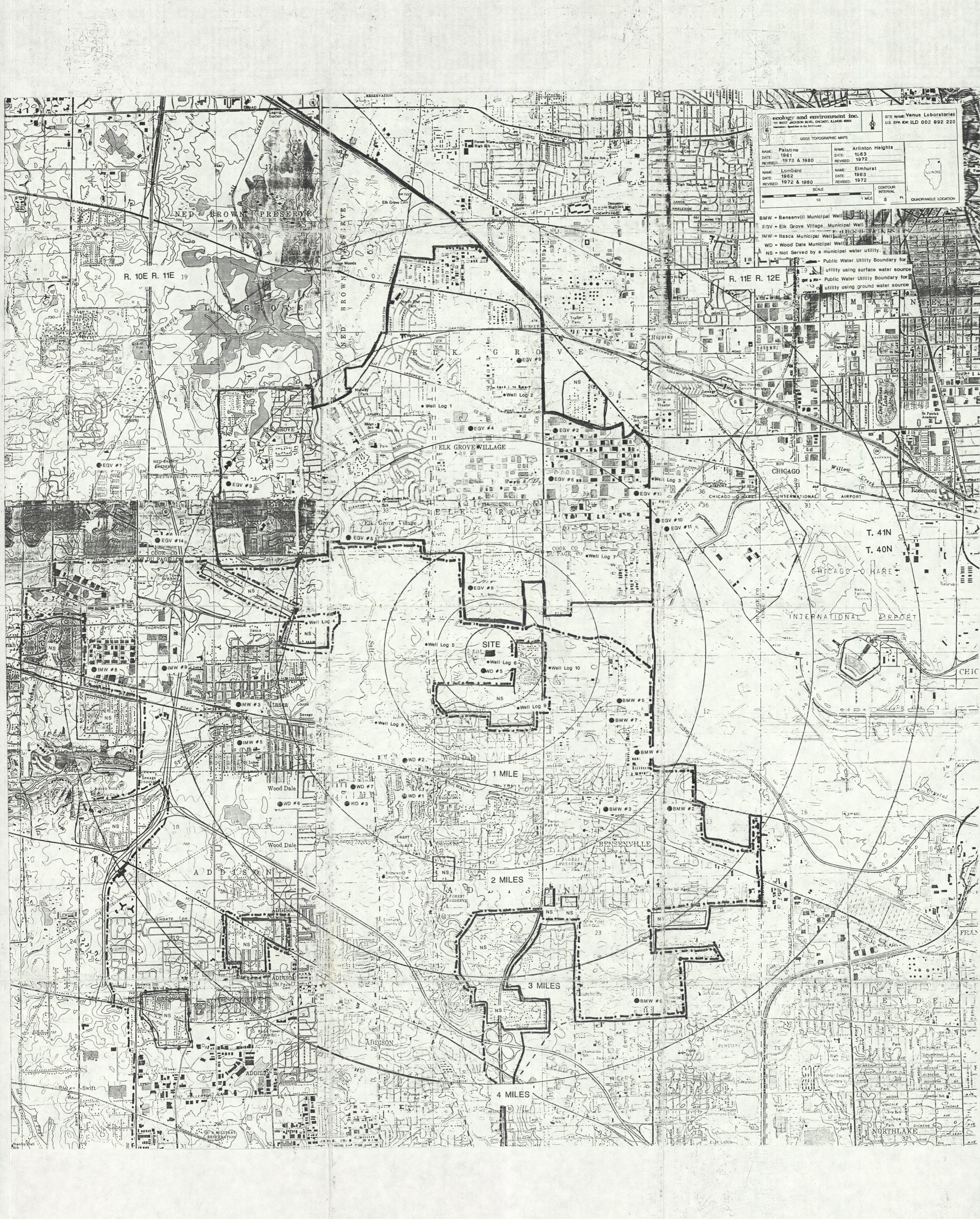
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## APPENDIX A

SITE 4-MILE RADIUS MAP

## APPENDIX B

U.S. EPA FORM 2070-13





# Site Inspection Report

APPENDIX B

U.S. EPA FORM 2070-13

# **SEPA**

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENT				
OI STATE				
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Catherine J. Kouris	CAVITONA	enTAL	<u>scientist</u>	ELE/FIT	(312)663-9915
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Jennifer L. Dubay	Vatural	Keso	uvces / lamag	EN EDE/FIT	(312) 663-9415
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Gregory Youngstrom	Diolog	rst		ELE/FIT	1312 663-9415
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Ronald Bugg	Health	Phy	sicist	ELE/FIT	13121663-9415
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John Manolas	Developn			lul. Wa. 1 Dole IL	(704)595-1900
VO:	Office Ma		Venus Lab.	S,Inc.	
Elli Manolas			85567 W. R.	W. Warl Dake, IL	1905) 595-1900
<u> </u>			Venus Lab	c The	1 30 - 13 1 100
Mike Marresse	Plant Man		8561 mal	Birkd. Wood D. Le, I	c 17081 595-1900
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## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

O1 STATE O2 SITE NUMBER

TL ID 002 992 220

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юс	INORGANIC CHEMIC	CALS		***************************************		<u> </u>	7/15
ACD	ACIDS		Unknown	unknown	<b>†</b>		
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MES	HEAVY METALS		unknown	Unknown	Detected	in on-sites	sonples
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							1 .
							<del>                                     </del>
<del>                                     </del>	<del> </del>		1	1		·	
<b> </b>			1	1		1	
ļ			1	†		1	
			1	1	•	1	
							†
V. FEEDST	TOCKS ISH ADDITION TO CAS MU	(redn					
CATEGOR	FTY 01 FEEDSTO	OCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDST	TOCK NAME	02 CAS NUMBER
FDS	sulfuric.	eeid	7664-93-9	FDS	sodiumb	ydroxide	1310-73-2
FDS		1	67-63-0	FDS	0		
FDS		sel fuel	n/a	FDS	JeeJectic	, L,3 for	
FDS			111-76-2	FDS	more de	tails	
VI. SOURC	CES OF INFORMATION 16						
ESEFI	T Site In	spection	Novembe	≥r 1990.	·		
			·				
l l							

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

talkinishmen er ist

PART 3-DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION

01 STATE 02 STE NUMBER

TL DOOZ 992220

IL HAZARDOUS CONDITIONS AND INCIDENTS		
01 A GROUNDWATER CONTAMINATION 35333 02 D OBSERVED (DATE:) 03 POPULATION POTENTIALLY AFFECTED: 35333	POTENTIAL .	I ALLEGED
03 POPULATION POTENTIALLY AFFECTED: (43) 30 04 NARRATIVE DESCRIPTION	•	1
•		ļ
See Section 5.2 of the Narvative for Details.		
01 DB SURFACE WATER CONTAMINATION 02 D OBSERVED (DATE:)	E POTENTIAL	= ALLEGED
03 POPULATION POTENTIALLY AFFECTED. 04 NARRATIVE DESCRIPTION	C POIENIAL	- ALLEGED
		· .
See Section 5.3 of the Norrative for Details.		]
	·=	
01 E.C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION	E POTENTIAL	I ALLEGED
53 TO 55 TOTAL COLOR		
	•	
·		
C C . TU AL . O T.		ł
See Section 5.4 of the Narrative for Details		
01 C D FRE/EXPLOSIVE CONDITIONS 02 C OBSERVED (DATE)	☐ POTENTIAL	I ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION	÷	, '
		•
		1
See Section 5,5 of the Narrative for Details.		
	POTENTIAL	- ALLEGED
01 B E DRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: 47 92 04 NARRATIVE DESCRIPTION		
See Section 5.6 of the Narrative for Detai	le:	·
Jee Jection Jour The Traine of Detai		
01 M F. CONTAMINATION OF SOIL 02 M OBSERVED (DATE: 17 1/00/ 10 )	C POTENTIAL	I ALLEGED
03 AREA POTENTIALLY AFFECTED: 104 NARRATIVE DESCRIPTION (Acres)		
		•
	•	
See Section 5.2 of the Navrative for Details	<u> </u>	
01 @ G. DRINKING WATER CONTAMINATION 1 (7) 22 OBSERVED (DATE:)	F POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED > 3 3 3 04 NARRATIVE DESCRIPTION		
I see section 5,2 of the Narrative for Detail		•
See Section 5.2 of the Narrative for Details  101 M H. WORKER EXPOSURE/INJURY  103 WORKERS POTENTIALLY AFFECTED: ~40  104 NARRATIVE DESCRIPTION	POTENTIAL	T ALLEGED
03 WORKERS POTENTIALLY AFFECTED: ~ 40 04 NARRATIVE DESCRIPTION		
1		
1 See Section 7.3 of the Mounting for not	0:10	
See Section 2,3 of the Nevrative for Det	<u> </u>	Z ALLEGED
01 TI. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: ~35333. 02 0 08SERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	_ ALLEGED
TO THE STATE OF TH		
	·	,
See Section 5,2 of the Narrative for De	1 . 1	

## **\$EPA**

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION
OI STATE OF SITE NUMBER
TL DOOZ992220

IL HAZARDOUS CONDITIONS AND INCIDENTS (Continued)
01 J DAMAGE TO FLORA 02 OBSERVED (DATE, POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION
Discolered grass was observed during an off-site reconnaissance inspection
in July 1990. No discolored vegetation was observed during the on-site inspection
in November 1990. However, a potential for damage to flora does exist,
01 S K DAMAGE TO FAUNA 02 OBSERVED (DATE:) S POTENTIAL OALEGED
Ne demand to fauna was observed during The site inspection. The
potential for damage to fauna is condidered to be low because the site
is in a developing industrial park.
01 CONTAMINATION OF FOOD CHAIN 02 DOBSERVED (DATE) C POTENTIAL DALLEGED
cant nikition of the food Chain is Unlikely because no land within a
4-mile radius of the site is used for agriculture.
01 EN UNSTABLE CONTAINMENT OF WASTES 02 & OBSERVED (DATE: 19Nov 90) D POTENTIAL DALLEGED
03 POPULATION POTENTIALLY AFFECTED: ~35333 04 NARRATIVE DESCRIPTION
See Sections 2.3 and 5.2 of the Narrative for Details  101 N CAMAGE TO OFFSITE PROPERTY  102 OBSERVED IDATE:
01 N CAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE:) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
iNo damage to off-site property was observed during the site
Inspection.
01 \$0 CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 \$ OBSERVED (DATE TWY 1978) C POTENTIAL. C ALLEGED
The July 1978, the Wood Dale City Manager reported to IEPA damage that was
believed to have been caused by chemical discharges at venus Labs. Part of the
city's sewer system was damaged. See Section 2,3 of the Narrative for Details
01 E P L'EGAL/UNAUTHORIZED DUMPING 02 🗆 OBSERVED (DATE) 🖸 POTENTIAL ELLEGED 04 NARRATIVE DESCRIPTION
IEPA inspectors observed evidence of spilled and leaked chemicals at the site
during 26 site inspections between July 1980 and April 1984. See Section 2,3
of the Narrative for Details.
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
None noted.
III. TOTAL POPULATION POTENTIALLY AFFECTED: ~35333
IV. COMMENTS
None.
V. SOURCES OF INFORMATION (CAR SPORCE INFORMATION (CAR
ELE/FIT Site Inspection November 1990.
1
ELE/FIT Region I Files.

9	F	РΔ
20		

## POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

<b>SEPA</b>	PART 4 - PERMIT	SITE INS			~	STATE DI STE HUMBER LUOZ992220
II. PERMIT INFORMATION						
01 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	O3 DATE IS	SSUED	04 EXPIRATION DATE	05 COMMENTS	
A. NPDES	<del> </del>					
☐ 8. UC	<del> </del>	+				
D.C. AJR	<del></del>	<del></del>				
D. D. RCRA	<del> </del>	-			· · · · · · · · · · · · · · · · · · ·	
DE. RCRA INTERIM STATUS		<del> </del>				
☐ F. SPCC PLAN	<u> </u>	·				· · · · · · · · · · · · · · · · · · ·
G STATE (Specify)						
□ H. LOCAL (Sooch)						
I. OTHER (Specify).						
# J. NONE	No permi	td fro	in U	.S. EAA or	IEPA.	
III. SITE DESCRIPTION						
01 STORAGE DISPOSAL (Check of this opply)	O TIMU EO THUOMA SC	OF MEASURE	04 TF	REATMENT (Choca at must a	וליסכ	05 OTH€R
A. SURFACE IMPOUNDMENT			101	INCENERATION	•	
□ 8 PLES		<del></del>	1	UNDERGROUND INJE	CTION	27 A. BUILDINGS ON SITE
C. DRUMS, ABOVE GROUND	<u>inknown 55-</u>	gallon	□ c.	CHEMICAL/PHYSICA	L	
D TANK, ABOVE GROUND		gallen	G D.	BIOLOGICAL		one.
E. TANK, BELOW GROUND	8 40	00	G €.	WASTE-OIL PROCES	SING	DE AREA OF SITE
D F. LANDFILL	<del></del>		ı	SOLVENT RECOVER		\ ~ 1:
G LANDFARM	<del></del>			OTHER RECYCLING	4.	(Acros)
H OPEN DUMP _	pd 3 120	DO Salla	₩ н.	OTHER HOMP	Knowk	1
BIOTHER Tank, above 9134	<u> </u>	<del></del>	`			
07 COMMENTS						
A+ the time of th	e pregaration	of 47.	e 55	IR and this	2070-13	, the site
owners were tal	•					•
	<u> </u>					TOM MINE SITE,
See Section 2.3 of	the Narrat	ive fo	or n	nore infor	matica.	
	•				•	•
			<u> </u>		•	
IV. CONTAINMENT					<del></del> .	<del>-</del>
01 CONTAINMENT OF WASTES (Creck one)		= 0			E = 1:050:11	
A. ADEQUATE, SECURE	. 9. MODERATE		INADEC	NUATE, POOR	L: U. INSECUI	RE, UNSOUND, DANGEROUS
02 DESCRIPTION OF DRUMS, DIKING, LINERS, I	BARRIERS, ETC.					
There is no known	i liner und	er th	e si	te. Empi	by 55-9	allon drums
are returned to						
		- 41		,. •	3001700	3 2.3 4 70
3.3 for more de	2tails					
V. ACCESSIBILITY						
01 WASTE EASILY ACCESSIBLE: YE	S D NO					
oz comments There are no fi	ما المالم المالية	c:4.	4.	acevent a	cceic	
There are no to	INCER TI INC			P	•	
	·					
VI. SOURCES OF INFORMATION (CA)	pecha references, e.g. state files, s	ample analysis, i	еролз;			
ELEIPIT S			Ν.	vember 19	90, ·	
ELE/FIT R	egion V F	iles,				•

8	<b>EPA</b>	
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## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT RT 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTA

		TEICATION
1	01 STATE	02 SITE NUMBER
	エレ	00029927

		PART 5 - WATER	DEMOGRAPHIC	AND ENVIROR	MENTAL DATA	IL 10002992220
II. DRINKING WATER S	UPPLY					
01 TYPE OF DRINKING SUPPL (Chect at applicable)	.Y		02 STATUS			03 DISTANCE TO SITE
Contra de descenta	SURFACE	WELL,	ENDANGERED	AFFECTED	MONITORED	T10
COMMUNITY	A. O	В. 🕮	A. D	B. C	C. <b>⊞</b>	A. 23/8 (ml)
NON-COMMUNITY	C. 🗆	D. 🚾	D. 🗅	E. O	F. O Whking	Wh B. <u>~ \$/B</u> (ml)
NI. GROUNDWATER		•			·	
01 GROUNOWATER USE IN V	CINITY (Check o	ne)				
A ONLY SOURCE FOR	R DRENKING	DB. DRINKING (Other sources evalue COMMERCIAL, IN (No other seler source)	DUSTRIAL, IRRIGATION		CAL INDUSTRIAL IRRIGA FRONCES EVENNEN	TION D. NOT USED, UNUSEABLE
02 POPULATION SERVED BY	GROUND WAT	<sub>ER</sub> ~3533.	3	03 DISTANCE TO NE	AREST DRINKING WATER	well ~ 3/8 (mi)
04 DEPTH TO GROUNDWATE		05 DIRECTION OF GRO		OF CONCERN	R 07 POTENTIAL YIE OF AQUIFER	LD 08 SOLE SOURCE AQUIFER
~25_	_(n)	Unknow	<u> </u>	~25	(n) unknown	(gpd) PES NO
09 DESCRIPTION OF WELLS	(Including useage,	depth, and location relative to	population and buildings)			
See S	e ctio	h 5.7 of	the Nav	· notine	for deto	ile:
10 RECHARGE AREA	Prime	iru recha	rae		No tike	ly discharge points
YES COMMENTS	through	iry recha L precipital	tion,	TYES COM	MENTS WITHIN	ly discharge points mile of the site,
D NO	<u>infil</u>					<del></del>
IV. SURFACE WATER		<del></del>	· · ·	·····	<del>_</del>	
O1 SURFACE WATER USE IC A RESERVOIR, RE DRINKING WATE	CREATION		DN, ECONOMICALLY NT RESOURCES	C. COMME	RCIAL INDUSTRIAL	D. NOT CURRENTLY USED
02 AFFECTES POTENTIALL	Y AFFECTED B	ODIES OF WATER				
NAME					AFFECTE	D DISTANCE TO SITE
No sur	face	water mi	gration rou	ites were	e observel.	<u>n/a</u> (m)
					0	(m)
V. DEMOGRAPHIC AN	D PROPERT	TY INFORMATION				
O1 TOTAL POPULATION WI			<del></del>		DZ DISTANCE TO NEA	PEST POPULATION
ONE (1) MILE OF SITE		WO (2) MILES OF SITE	THREE (	MILES OF SITE		•
A. ~ 4787 NO OF PERSONS		B. ~35611 MO OF PERSONS	c. <u>~ 6</u>	2829 O OF PERSONS		<u>01-site (mi)</u>
03 NUMBER OF BUILDINGS				04 DISTANCE TO N	EAREST OFF-SITE BUILD	
1	~12	196 homes			~10	ft. um
05 POPULATION WITHIN V				nently of site, e.g., now	maje densely populated whe	• •••
•						approximately
<b>.</b>	west	of the w	estern bo	order of	OHAre II	iternational
Airport.						

I. IDENTIFICATION

<b>SEPA</b>	SITE INSPEC PART 5 - WATER, DEMOGRAPH	TION REPORT IC, AND ENVIRONMENTAL DATA	IL DOOZ992220
L ENVIRONMENTAL INFORMA	TION		<del></del>
1 PERMEASILITY OF UNSATURATED 2	ONE (Check one)		
□ A, 10 <sup>-6</sup> - 10 <sup>-</sup>	6 cm/sec ■ B. 10 <sup>-4</sup> = 10 <sup>-6</sup> cm/sec □	C. 10 <sup>-4</sup> = 10 <sup>-3</sup> cm/sec □ D. GREATE	R THAN 10 <sup>-3</sup> cm/sec
2 PERMEABILITY OF BEDROCK (Check	3 <sup>4</sup> 0)		
☐ A. IMPERM	MEABLE B RELATIVELY IMPERMEABING -6 cm sec)	LE C. RELATIVELY PERMEABLE C	D. VERY PERMEABLE (Greater shan 10 - 2 on sec)
3 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
~62-170 (n)	unknown (n)	Wh Known	
6 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	OB SLOPE DIRECTION OF SIT	E SLOPE , TERRAIN AVERAGE SLOPE
~+6 (in)	~ + 2, 4 (in)		<u> </u>
9 FLOOD POTENTIAL	10		
SITE IS IN 10 YEAR FLO	DODPLAIN DOD	IER ISLAND, COASTAL HIGH HAZARO AR	•
1 DISTANCE TO WETLANDS IS acre move	<b>~</b> n/	12 DISTANCE TO CRITICAL HABITAT NO ACAN	perad species)
ESTUARINE	OTHER  R ~ 1/2 (mil)		(mi)
1 <u>h / a (mi)</u>	B. ~ 1/2 (mi)	ENDANGERED SPECIES.	
COMMERCIAL INDUST	7,	FE RESERVES PRIME AG	GRICULTURAL LANDS LAND AG LAND  (mi) D. > 24 (mi)
Refer to	4-mile padius 1	mar - seeApp	endix A.
			•
,			
			· · · ·
			•
VII. SOURCES OF INFORMAT	TON (Cae specific references le g., state fies, semple analy	sa, reports)	
ELF / FTT	Site Inspection Nov	ember 1990. ELEIF	IT Region I Files.
U.S. Climatic A		gton Heights, Elmhur	et Lambard
U.S. G.S. TOP			s.y -un vara,
	\$ fa	latine	

## **\$EPA**

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6-SAMPLE AND FIELD INFORMATION

L IDENTIFICATION
OI STATE OF STE NUMBER
TL DUOZ 992220

	·						
01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	OS ESTIMATED DATE PESULTS AVALABLE					
	TCL: Wadsworth Alert Labs Canton, Ohio TAL: Columbic Analytical Serve Kelen WA	On File					
<u> </u>							
6	TCL: Wadsworth Alert Labs Canton, Ohio TAL: Columbia Analytical Serv, Kelso WA	On File					
KEN							
02 COMMENTS							
No mea	surements above background						
1 :	· · · · · · · · · · · · · · · · · · ·						
	•						
No devi							
·\$							
L	02 HOUSTOON OF Ecology KEnvironment Chicago,	IL					
03 MAPS 04 LOCATION OF MAPS							
	<del></del>	<u> </u>					
ive, condi	activity of MW sample (See Table 4-2	for details).					
ION (Cre specific retenances.	e g , state files. sample analysis, reports)						
Site	Inspection 1990.						
	KEN  OZ COMMENTS  No meas  No meas  Measuren  No devi  S  Cology & E  ECTED Front arrows  (See Tab  (See Tab	TCL: Wadsworth Alert Labe Canton, Ohio TAL: Columbia Analytical servi Relso, WA   B  TCL: Wadsworth Alert Labe Canton, Ohio TAL: Columbia Analytical servi Relso, WA   KEN  OZ COMMENTS  No measurements above background  No measurements above background  Measurements of 5-7 ppm at I sample I ogation. No oth  No deviations from background Concentrate  S  OZ NOWSTOOY OF Ecology KENVIRONMENT Chicago, Illinois  ECTED (MOUNTS)  COLOGY & Environment, Inc. Chicago, Illinois  ECTED (MOUNTS)  (See Table 3-1 in SSIR Navrative for details  (See Table 3-1 ih SSIR Navrative for details					

<b>\$EPA</b>	P		ARDOUS WASTE SITE	OI STATE TOS	
<b>YEFA</b>			ER INFORMATION	IL	002992220
. CURRENT OWNER(S)			PARENT COMPANY IN ADDICABLE		
NAME		02 D+B NUMBER	OB NAME		9 D+ B NUMBER
Venus Laboratori STREET ADDRESSIPO BOL 400.0001	es.Inc.	unknown	hone		
	•	1	10 STREET ADDRESS (P O. Box, RFD # . exc		11 SIC CODE
355 Lively Blud.		unknown			
	1	07 ZIP COOE	12 CTY	13 STATE	14 ZIP CODE
Wood Dale	IL	60191			
NAME		02 D+B NUMBER	OB NAME		09 D+B NUMBER
STREET ADDRESS (P.O. BOL MOD, MC.)		lo4 SIC COO€	10 STREET ADDRESS (P.O. Box, RFD P. oc.	1	11 SIC COD€
STREET ADDRESS (P.O. BAC 400; BAC)		Jan 300 0000			11.50000
CITY	106 STATE	O7 ZIP CODE	12 017	ITATEL	14 ZIP CODE
1 NAME		02 D+B NUMBER	08 NAME		09 D+B NUMBER
h/a		1	hja		
STREET ADORESS (P.O. Box #FDP, MC.)		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, and		11 SIC CODE
			}	•	
5 CITY	06 STATI	E 07 ZIP CODE	12 017	13 STATE	14 ZIP CODE
NAME		02 D+B NUMBER	08 NAME	·	09 D+B NUMBER
h/a		<u> </u>	h/a		·
3 STREET ADORESS (P.O. BOL ¥0 P. HC.)		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD P. se	Ç1	11 SIC CODE
	Ta				
5 CITY	D6 STAT	E 07 ZIP CODE	12 CTY	13 STATE	14 ZIP CODE
		1			1
ITL PREVIOUS OWNER(S) "Lat most no	era brazi	02 D+B NUMBER	IV. REALTY OWNER(S) (F applicable	e, let most recent first)	O2 D+B NUMBER
•		OZ DY O NOMBER	i		or or onomber
UNKHOWH		04 SIC COD€	03 STREET ADDRESS (P.O. Box. RFD P. a	<b>HC</b> )	04 SIC COD€
S CITY	OBSTAT	E 07 ZIP COOE	05 CITY	06 STATE	07 ZIP CODE
			<u> </u>	ļ ·	]
)1 NAME		02 D+B NUMBER	O1 NAME		02 D+B NUMBER
4/4		<u> </u>	h/a		
03 STREET ADORESS (P.O BOL MD P. enc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, a	MC.J	04 SIC CODE
DS CITY	O6 STA	TE 07 ZIP CODE	05 CITY	TOS STATE	O7 ZIP CODE
01 NAME		02 D+B NUMBER	O1 NAME	<del>`</del>	02 0+B NUMBER
n/a			h/a		
03 STREET ADDRESS (P.O. BOL MO P. OC.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box. RFD F.	jk()	04 SIC COO€
· .					<u> </u>
osany	O6STA	TE 07 ZIP CODE	05 CITY	06 STATE	D7 ZIP CODE
		1			1
V. SOURCES OF INFORMATION			·		
FLE / FIT S	lite Ir	rspection	November 1990.		
	ค	TT Eiler			•
EXE /FIT I	Kegion	Y Files	•		
•	=				
<u></u>		<del> </del>		<del></del>	

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AP.	_

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENT	TEICATION
01 STATE	02 SITE NUMBER
エし	D007992220

	PART 8 - OPERAT	OR INFORMATION L	IL IDOULTILLED
L CURRENT OPERATOR (Provide & different fo	tim owned	OPERATOR'S PARENT COMPANY	Acades,
NAME	02 D+B NUMBER	10 NAME	110+B NUMBER
Venus Laboratories STREET NOOPESS (P.O. BOLL MOP. OK.) 8 55 Lively Blud, COTY WE C. I Dale LYEARS OF OPETATION OR NAME OF OWNE	The LLV.	h m/a =	
STREET ADDRESS (P.O. Box RED.) arc.)	104 SIC COOE	12 STREET ADDRESS (P.O BOX, AFD P, MC)	113 SIC CODE
0 (-1)			100000
835 Lively BIVA.	Ian Khowh		
CITY /	DESTATE OF ZIP CODE	14 CITY	15 STATE 16 ZIP CODE
Word Dale	126 60191	İ	1
YEARS OF OPERATION OR NAME OF OWNE	R		
975+ present Venus L	a haratories		
L PREVIOUS OPERATOR(S) (Lat most recen		PREVIOUS OPERATORS' PARENT COM	IPANIES II santana
NAME	02 D+B NUMBER	10 NAME	11 D+B NUMBER
		1.	
UNKNOWH	04 SIC CODE	none	
STREET ADDRESS (P.O. Box, RFD F, etc.)	of sic cope	12 STREET ADDRESS (P O Bos. RFD #, etc.)	13 SC COD€
	Ine STATE In 2 70 cons	- Lucany	les exercises a second
COTY	06 STATE 07 ZIP COD€	14 017	15 STATE 16 ZIP COOE
		<u> </u>	
8 YEARS OF OPERATION 09 NAME OF OWNE	R DURING THIS PERIOD		
1 NAME	02 D+8 NUMBER	10 NAME	11 D+B NUMBER
h 16	:	In/a	
3 STREET ADDRESS (P.O. Bol. 'RFD F, etc.)	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RED #, etc.)	13 SC COO€
S CITY W	06 STATE 07 ZIP CODE	114 CITY	1:5 STATE 16 ZIP COOE
	0, 2, 332		100 Proces
OB YEARS OF OPERATION 09 NAME OF OWN	ER DURING THIS PERIOD	,	•
DI NAME	02 D+B NUMBER	10 NAME	11 D+B NUMBER
n/a		1 n/a	
D3 STREET ADOPESS (P.O. Box, RFD P, MC.)	04 SIC CODE	12 STREET ADDRESS (P.O Box #73 F, arc )	13 SC CODE
05 CITY	06 STATE 07 ZIP CODE	14 City	15 STATE 16 ZIP COOE
	1 1	·	
DA YEARS OF OPERATION 09 NAME OF OWN	IER DURING THIS PERIOD	· <del> </del>	
TENSO OF CHAINE	LITSUMING THIS FEMOLE	1	
			·
IV. SOURCES OF INFORMATION ICAG N	boofic references, e.g., state fles, sample analy	SEL PROPERTY	
TITIT CH	Thomas	Alaren han 1990	
ELE/FIT Site			
-1-15- Da	ion I Files		
ELE/FIT Reg	) (0/1 - 11.03	•	
	•		
· ·		•	•
	•	•	
		•	
-	•		
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l		·	

O FDA	P	OTE		RDOUS WASTE SITE	I. IDENTIFI	
<b>\$EPA</b>				TION REPORT	IL D	SITE NUMBER
	PART	9 - GE	NERATORITRA	INSPORTER INFORMATION	<u> </u>	, DO E   LE CEO
II. ON-SITE GENERATOR		1,3:				
D1 NAME		•	BNUMBER			
Venus Laboratories	Inc.	us	Known	<u>'</u>		
03 STREET ADDRESS IF 3 BOX RFD F, MC :		- 1	04 SIC COOL			e <sup>a</sup>
855 Lively Blud.			unknown CODE	Í		
ος ατν	1				·.	
Wood Dale	IL	6	0191			
III. OFF-STE GENERATOR(S)						
01 NUÆ	·	02 0	+ B NUMBER	01 NAME	•	02 D+B NUMBER
none Known		1	<u> </u>	n/a		
G3 STREET ADDRESS (P.O. BOX, RFD P. HE)		l	04 SIC CODE	03 STREET ADDRESS (P.C. Box, RFD F, etc.)		04 SIC CODE
	·		· · · · · · · · · · · · · · · · · · ·			
05 ary	06 STATE	E 07 ZI	P CODE	05 CTY	O6 STATE	07 ZIP CODE
	1	100-	4 D bu 18 405 D	01 NAME		
O1 NAME		02 0	+B NUMBER			02 D+B NUMBER
h/a		٨,		h/a		
03 STREET ADORESS IP 0 pos. RFD 4, etc.)			04 SIC CODE	03 STREET ADDRESS IP G Box RFD F ac.)		04 SIC CODE
	loe stati	5102.2	⊅P CODE		100.00	
OS CITY	0031211	5 07 2	D COOE	05 CITY	OBSTATE	07 ZIP CODE
		لــ	·	<u> </u>		l
IV. TRANSPORTER(S)		100.0	L. O. NII IVOCO	Tar survey		
01 NAME		102 0	+ 8 NUMBER	01 NAME		02 D+B NUMBER
Hone Known	_		To a sign coops	n/a		1
O3 STREET ADDRESS (P O. Box. AFD P. orc.)			04 SIC CODE	03 STREET ADORESS (P D Box, RFD P, sec.)		04 SIC CODE
	166 67.9	rel			· • • • • • • • • • • • • • • • • • • •	
OS CITY	06 SIAI	1E 07 2	DIP COOE	05 CITY	OG STATI	E 07 ZIP CODE
		-	O+ B NUMBER	01 NAME		
01 NAME		1021	OT B NUMBER			D2 D+B NUMBER
O3 STREET SORESS (* O BOJ. AFD #, MC)			104 SIC CODE	03 STREET ADDRESS (P 0 Box, RFD #, sec.)		04 SIC CODE
OS STREET COMESS IF O BOX, APD P. WET			0430000	OSSINEET ADONESS (F U Bai, AFDF, BE)	. '	u scute
	los STAT	TE LOZ	ZP CODE	05 CTY	Ing STAT	E 07 ZIP CODE
05 CITY	00312		ar cone	05 (41)	W 31A1	E O7 24 COCE
	ــــــــــــــــــــــــــــــــــــــ	1		<u> </u>		1
V. SOURCES OF INFORMATION (CE) SOME					· · · · · · · · · · · · · · · · · · ·	
ELE/FIT S	ite	Ιn	spection	November 1990		
ELE/FIT R	Legio	'n	I Files	•		
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EPA FORM 2070-13 (7-81)

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### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

	TIFICATION
01 STATE	02 SITE NUMBER
IIL	02 SITE NUMBER D 002991220

L-1 / \	PART 10 - PAST RESPONSE ACTIVITIES	[ ] L   [ ] D 00 C 14
RESPONSE ACTIVITIES		
D. R. BARRIER WALLS CONSTRUCTED DESCRIPTION	O2 DATE	CZ AGENCY
h/a		
01 S. CAPPING/COVERING 04 DESCRIPTION	O2 DATE	C3 AGENCY
Wa		
DI DIT. BULK TANKAGE REPAIRED DA DESCRIPTION	O2 DATE	© AGENCY
h/a		
01 U. GROUT CURTAIN CONSTRUCTED D4 DESCRIPTION	02 DATE	C3 AGENCY
h/a	·	
01 © V. BOTTOM SEALED 04 DESCRIPTION	02 DATE	© AGENCY
h/a		
01 D W. GAS CONTROL 04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a		
01 D.X. FIRE CONTROL 04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a :		·
01 () Y. LEACHATE TREATMENT 04 DESCRIPTION	O2 DATE	CO AGENCY
h/a		·.
01 S Z. AREA EVACUATED 04 DESCRIPTION	02 DATE	AGENCY
h/a	4	
01   1. ACCESS TO SITE RESTRICTED  04 DESCRIPTION	O2 DATE	© AGENCY
n/a		
01 D 2. POPULATION RELOCATED 04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a		
01 \$\ 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	C3 AGENCY

Specific response activities are not known. A 1985 consent decree between Venus Labs and the State of Illinois required Venus Labs to address several waste and raw material storage and disposal practices at the site. It is reasonable to believe that spilled material and/or contaminated soil was removed and that waste was repackaged and disposed of elsewhere. However, documentation of these activities is

not known to FIT.

ML SOURCES OF INFORMATION (Can appendic references, e.g., state that, samon analysis reconst.)

ELE/FIT Site Inspection November 1990.

.C.EDA

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

July State Mercia

L IDENTIFICATION

OI STATE OF SITE NUMBER

TL DOUZGELLO

AST RESPONSE ACTIVITIES		
01 Z A WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE	03 AGENCY
h/a		
01 G B TEMPORARY WATER SUPPLY PROVIDED	02 DATE	03 AGENCY
04 DESCRIPTION		
h/a		
01 C PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGE•CY
n/a		<u> </u>
01 D SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
none Known	·	
01 DE CONTAMINATED SOIL REMOVED 04 DESCRIPTION	.02 DATE	03 AGENCY
hove Knowh		· · · · · · · · · · · · · · · · · · ·
OT SIF WASIE NEI AGIOGES	02 DATE	03 AGENCY
04 DESCRIPTION	•	
none Knowh	AA D. T.	03 AGENCY
01 T G WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	O3 AGENCY
honeknowh	00.01	03 AGENCY
01 I H ON SITE BURIAL 04 DESCRIPTION	02 DATE	US AGENCY
h/a		O3 AGENCY
01 3 L IN STU CHEMICAL TREATMENT 04 DESCRIPTION		
01 □ J N SITU BIOLOGICAL TREATMENT	O2 DATE	O3 AGENCY
04 DESCRIPTION	UZ DATE	
h/a	· · · · · · · · · · · · · · · · · · ·	
01 D.K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGE+CY
n/a		
01 D L ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
n/a		
01 3 M EMERGENCY WASTE TREATMENT	02 DATE	03 AGENCY
n/a		
	02 DATE	03 AGENCY
01 TO N CUTOFF WALLS 04 DESCRIPTION	UZ UATE	www.
h/a		
01 TO EMERGENCY DIKING SURFACE WATER DIVERSION C4 DESCRIPTION	O2 DATE	03 AGENCY
h/a		
01 C P CUTOFF TRENCHÉS/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
h/a		
01 C O SUBSURFACE CUTOFF WALL 04 DESCRIPTION	O2 DATE	03 AGENCY



### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

1985 consent decree between Venue Labo and the State of Illinois

OI STATE OZ SITE NAMBER
TL DO02992220

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION TO YES DINO

02 DESCRIPTION OF FEDERAL STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

required that Venus Labe prevent spillage and learage of clamicals from the site. Ten actions were mandated, and 44000 fine was paid. In 1985, Venus Labe plead guilty to from counte of releasing Chemicals into an unnamed tributary to the Deallainese River without a National Pollutart Diedarge Elimination System permit. The unnamed tributary was displaced during the divelopment of adjacent property.

See Section 2,3 of the Narrative for further detaile.

III. SOURCES OF INFORMATION (Can appeal of operation of g., state for sample analysis mounts)

ELE/FIT Region I Files

ELE/FIT site Inspection November 1990.

was collected to determine whether TCL compounds and/or TAL analytes had migrated into groundwater in the vicinity of the site. The monitoring well is located in the gravel area east of the storage platform. The depth to water on the day of the SSI was 13.8 feet, and the well depth is 26.9 feet. During the venting of this well, the HNu detected organic vapors at the top of the well casing (see Figure 3-4 for the monitoring well sampling location).

In accordance with U.S. EPA quality assurance/quality control (QA/QC) requirements, a duplicate monitoring well sample and a field blank sample were collected. On the day FIT sampled the monitoring well, there was not enough water in the well to fill all of the sample portions; therefore, the portion of the duplicate sample to be analyzed for semivolatile organic compounds and pesticides/polychlorinated biphenyls (PCBs) was not collected. The duplicate sample was collected at location MW1. The field blank sample was prepared from distilled water.

The monitoring well was purged of three to five volumes of standing water prior to the collection of the sample. The monitoring well sample was collected with a stainless steel bailer that had been scrubbed with a solution of detergent (Alconox) and distilled water, and triple-rinsed with distilled water prior to the collection of the sample (E & E 1987).

As directed by U.S. EPA, the monitoring well sample was analyzed using the U.S. EPA CLP.

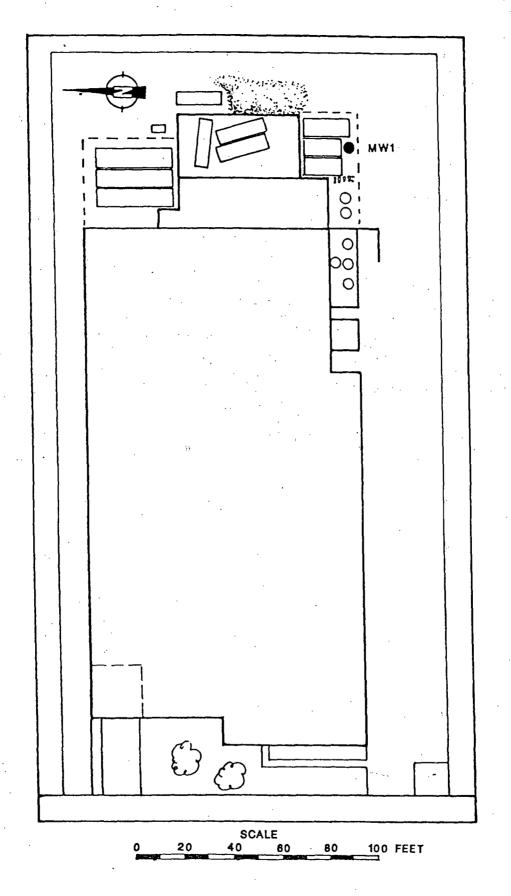


FIGURE 3-4 MONITORING WELL SAMPLING LOCATION

### 4. ANALYTICAL RESULTS

1.

This section presents results of the chemical analysis of FIT-collected soil and monitoring well samples for TCL compounds and TAL analytes. All samples except the duplicate monitoring well sample were analyzed for volatile organics, semivolatile organics, pesticides/PCBs, metals, and cyanides. The duplicate monitoring well sample was analyzed for volatile organics, metals, and cyanide only. The semivolatile organic and pesticide/PCB portions were not collected because there was not enough water in the monitoring well on the day of sampling. Complete chemical analysis of FIT-collected soil and monitoring well samples are provided in Tables 4-1 and 4-2. In addition, significant tentatively identified compounds (TICs) detected in the analysis of FIT-collected samples are also provided in Table 4-1.

Quantitation/detection limits used in the analysis of FIT-collected samples are provided in Appendix D.

The analytical data for the chemical analysis of FIT-collected samples for this SSI have been reviewed under the direction of U.S. EPA for validity; the review has been approved by U.S. EPA. The analytical data have also been reviewed by FIT for usability. Any additions, deletions, or changes resulting from review of the data have been incorporated in the chemical analysis results tables presented in this section.

Table 4-1
RESULTS OF CHEMICAL ANALYSIS OF
FIT-COLLECTED SOIL SAMPLES

Sample Collection Information			Sam	ple Number		•
and Parameters	S1	S2	53	<b>S4</b>	<b>s</b> 5	<b>56</b>
Date	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90
Time .	1110	1140	1200	1200	1240	1320
CLP Organic Traffic Report Number	EKW8 2	EKW83	EKW84	EKW85	EKW86	EKW87
CLP Inorganic Traffic Report Number	MEKD82	MEKD83	MEKD84	MEKD85	MEKD86	MEKD87
Compound Detected			۵			
(values in µg/kg)						
				·		
Tolatile Organics						
methylene chloride			3J	<u> </u>		
cetone			<u></u>	<b>4</b> J	·	:
,1,1-trichloroethane V			14	7		·
richloroethene V			- 12	· · ·		
etrachloroethene/	·	·	23	31	·	
oluene		•	3 <b>J</b> _	<del></del> .		7
thylbenzeme V	· <del></del>	2,700J	<b></b> . '	<del></del> .		<del></del> ,
ylenes (total)	<del></del>	16,000J				
$f_{ij}$		•			-	
emivolatile Organics						•
,3-dichlorobenzene	. <del></del>			2,500		
,4-dichlorobenzene			· —	2,600	. <del></del>	
,2-dichlorobenzene		71,000	1,300	7,300	·	. ==
,4-dichlorophenol		30,000J	470	<del></del>	793	
aphthalene		11,000Ј	59J			<del></del> .
-methylnaphthalene	76J	33,0003	61J	·		<del></del> ·
imethylphthalate \		<b></b>			79.5	
cenaphthene		<del></del>	603			
henanthrene	81J		350			
nthracene			110Ј	<del></del>		
i-n-butylphthalate /		200,000	30J	· . <del></del> .		_

Sample Collection Information		Sample Number				
and Parameters	S1	S2	s3	S4	<sub>.</sub> \$5	S6
pyrene	280J		340J	<del></del>	3703	79J
benzo[a]anthracene	· ·	· . <del></del>	170Ј		2205	68J
onrysene ✓		,	190Ј		(2503)	76J
bis(2-ethylhexyl)phthalate		(14,0005)	2,700J	7,100	4,6003	68J
benzo[b]fluoranthene			170J		390	100J
benzo(k)fluoranthene			79J		210J	40J
benzo(a)pyrene ——			130Ј		260J	
indeno(1,2,3-cd)pyrene			48Ј		88J	
gribenzo[a,h]anthracene			15J		16Ј	
benzo[g,h,i]perylene	· ·		46J	<b></b> .	87J	
0						
Pesticides/PCBs				•		
Dieldrin ()	65				<del></del>	
4,4'-DDE (	130			<del></del>		_
4,4'-DDD \	110		· —	_		
4,4'-DDT	74					
TICs+						
benzene,1-ethy1-2-methy1		70,000Ј				<del></del> . ,
(611-14-3)		•				
benzene,1,3,5-trimethyl		50,000J				
(108-67-8)						
benzene,1,2,3-trimethyl	<del></del>	60,,000				
(526-73-8)	•	12.				
benzene,1-methy1-3-propyl	<del></del>	20,000J			<del>-</del> .	
(1074-43-7)				**		
benzene, 1-methyl-3-ethyl	·	T000,00		<del></del>	<del></del>	
(620-14-4)						
decane	<u></u>	40,000J			<del></del>	
(124-18-5)						
l-methylnaphthalene	·	T000,00				

4-

Tabler 4-1 (Cont.)

Sample Collection Information	•		Samp	le Number		
and Parameters	51	. S2	<b>s</b> 3	S4	\$5	s6
1,3-dimethylnaphthalene				2,000J		
l,7-dimethylnaphthalene		· 		2,000J		
(575–37–1)	4			•		
Analyte Detected				• •		
(values in mg/kg)						
luminum	13,700	3,910	1,900	2,570	1,970	12,800
antimony /	<del></del>	6.88	÷ <u></u>			
rsenic	7.3	9:2+J	4.5	4.5	2B	6.5
arium .	149	33.38	17.6B	20.18	83.6	107
eryllium	0.95B	0.6в	0.47B	0.56B	0.56B	0.87в
admium		1.1B			(1.63)	
alcium	8,300	128,000	122,000	141,000	154,000	6,870
hromium,	23.7	31.2	5.1J	6.9	45.6	19.1
obalti	13.4	4B	3.1B	2.7В	1.9B	13.2
oppe r/	25.4	44	23.8J	13.2J	93.9	. 22.6J
ron	23,600	12,300	9,160	9,790	21,000	19,600
ead	75.5	11.9	5.9	5.7	28.1	21.4
agnesium	5,420	30,200	64,800	75,200	- 76,70D	5,220
anganese	581J	1883	218J	420J	267J	<b>7</b> 78 <i>J</i>
ercury	0.14		<b></b> .	· ·	<u> </u>	
ick=i	75.7	A.An	6,7n	6.5n	6.3n	20.5
otassium	1,910J	2,190J	74087	69811.1	5348.7	001,1
elenium	0.67BWJ	· <del></del>				·
odium 🗸	71.2BJ	278B	196B	258B	528B	62.2BJ
hallium	0.77в		·	0.37в	0.3B	0.79В
anadium	29.1	9.2B	9.8B	13.9	4.48	28.6
inc 🗸	95.3	91.5	24.7	26.8	167	54.6

<sup>--</sup> Not detected.

<sup>†</sup> TIC Chemical Abstracts Service (CAS) numbers, if available, are provided in parentheses.

TABLE 4-2
RESULTS OF CHEMICAL ANALYSIS OF
FIT-COLLECTED MONITORING WELL SAMPLES

Sample Collection Information		Sample Number	
and Parameters	MW1	Duplicate	Blank
Date	11/14/90	11/14/90	11/14/90
Time	1430	1430	1300
CLP Organic Traffic Report Number	EHZ96	EHZ98	EHZ99
LP Inorganic Traffic Report Number	MEHN66	MEHN68	менп69
'emperature (°C)	. 59	59	58
pecific Conductivity (µmhos/cm)	1,647	1,647	11.78
	11,.10	11.10	9.85
	•		
ompound Detected		·	
values in µg/L)	·		
		·	
olatile Organics			
hloroethane	. 9 <b>J</b>	9 <b>J</b>	<del></del>
cetone		15	
arbon disulfide	7		<del></del>
,1-dichloroethane ✓	18	18	
,2-dichloroethene (total)	3 <b>J</b> .		<b></b>
		•	
nalyte Detected			
values in µg/L)			
luminum )	27.88	. 24.5в	
ntimony	22.98		<del></del>
senic	1.2B	1.28	<del></del>
rius	99.38	11.3В	1.1BJ
lcium	149,000	180,000	. 135BJ
romium			. 3.7BJ
pper	29.45	33.8J	6.3BJ
on .	35.1BJ	30.8BJ	<del>'</del>
gnesium	1,6708	1,840B	49.8B
anganese	78	2.2B	<del></del>
ickel	69.6	94.2	

COMPOUND QUALIFIER		DEFINITION	INTERPRETATION	
	J .	Indicates an estimated value.	Compound value may be semiquantitative	
	ANALYTE QUALIFIERS	DEPINITION	INTERPRETATION	
	+	Correlation coefficient for standard additions is less than 0.995. See review and laboratory narrative.	Data value may be biased.	
	. В	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semiquantitative.	
	<b>J</b> .	Value is above CRDL and is an estimated value because of a QC protocol.	Value may be semiquantitative.	
1	<b>w</b>	Post-digestion spike for furnace AA analysis is out of control limits (35-115%), while sample absorbance is <50% of spike absorbance.	Value may be semiquantitative.	

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Sample Collection Information and Parameters		MW1	Sample Number Duplicate	Blank
potassium		10,200	12,300	
sodium	•	76,000 .	89,300	112BJ
vanadium	·	3.5B	38	
zinc		9.6BJ	6.4BJ	3.2B
- Not detected.		<u> </u>		

COMPOUND QUALIFIER	DEFINITION	INTERPRETATION	
<b>J</b>	Indicates an estimated value.	Compound value may be semiquantitative.	
ANALYTE QUALIFIERS	DEPINITION	INTERPRETATION	
В	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semi-quantitative.	
<b>J</b> . ;	Value is above CRDL and is an estimated value because	Value may be semiquantitative.	

of a QC protocol.

Value may be semiquantitative.

## 5. DISCUSSION OF MIGRATION PATHWAYS

### 5.1 INTRODUCTION

This section presents discussions of data and information pertaining to potential migration pathways and targets of TCL compounds and TAL analytes that are possibly attributable to the Venus site.

The five migration pathways of concern discussed are groundwater, surface water, air, fire and explosion, and direct contact.

## 5.2 GROUNDWATER

The TCL compound 1,1-dichloroethane was detected in MV1 at 18  $\mu$ g/L. The TAL analytes detected in MV1 include copper (33.8J  $\mu$ g/L) and nickel (94.2  $\mu$ g/L) (see Table 4-2 for the definition and interpretation of the qualifier). Because there is no upgradient well sample, the TCL compound and TAL analytes may not be conclusively attributed to the site.

TCL compounds and TAL analytes were detected at concentrations above background levels in on-site soil samples. In sample S2, ethylbenzene was detected at 2,700J µg/kg, xylene was detected at 16,000J µg/kg, and 1,2-dichlorobenzene was detected at 71,000 µg/kg (see Table 4-1 for the definition and interpretation of the qualifier). In sample S4, 1,2-dichlorobenzene was detected at 7,300 µg/kg. TICs detected included alkylsubstituted benzene compounds. Mercury was detected in soil sample S1 at 0.14 mg/kg. Other detected TAL analytes included arsenic, chromium, and lead.

There is a known history of on-site use of several of the detected TCL compounds. Material Safety Data Sheets for raw materials that are used on-site and that were detected in on-site soil samples include

1.2-dichlorobenzene, xylene, ethyltoluenes, and trimethylbenzenes as constituents (Ashland Chemical Company 1986, 1986a; ICI Americas, Inc. 1982; Cargill, Inc. 1990; EMCO Chemical Distributors, Inc. 1988).
Therefore, these TCL compounds are attributable to the Venus site.

There is a potential for the migration of TCL compounds and TAL analytes from the Venus site to groundwater, based on the following information.

- TCL compounds and TAL analytes were detected in on-site soil and monitoring well samples.
- A manufacturing facility that currently uses raw materials containing TCL compounds operates on-site.

The potential for TCL compounds and TAL analytes detected in onsite soil and monitoring well samples to migrate from the site is also
based upon the following geological information. The geology of the
area of the site consists of unconsolidated glacially derived deposits
that overlie sedimentary bedrock. The unconsolidated deposits consist of clay, sand, and gravel. The sedimentary bedrock layers, in
descending order, are Niagaran dolomite, Maquoketa Shale, and Glenwood-St. Peter, Ironton-Galesville, and Mt. Simon sandstones (Willman
1971).

Logs of wells in the area of the site indicate that most private wells draw from the Niagaran dolomite (see Appendix E for well logs of the area of the site). The unconsolidated deposits and the Niagaran colomite are considered to be hydraulically connected because there is no confining layer that separates them (Willman 1971). Consequently, they are considered to act as a single aquifer and to be the aquifer of concern (AOC). The depth to the AOC, as evaluated from static water levels recorded in well logs, is approximately 25 feet. The sandstone formations are used as aquifers, but the Maquoketa Shale layer is believed to act as a confining layer between the Niagaran dolomite and the sandstone formations (Willman 1971). As a result, the sandstone aquifers are not considered to be parts of the AOC.

Drinking water for the local population is obtained from three sources: surface water intakes, groundwater from municipal wells, and groundwater from private wells. Residents within a 3-mile radius of the site in Des Plaines, Elk Grove Village, and Chicago obtain their drinking water from surface water intakes in Lake Michigan via their respective water departments (Fox 1990; Cox 1985; Walter 1990). Elk Grove Village maintains eight wells for emergency use only (Walter 1990). Six of the eight wells draw from below the Maquoketa Shale confining unit. The two wells in the AOC and four of the six other wells are within a 3-mile radius of the site (Woller, Sanderson, and Sargent 1986). However, because these wells are for emergency use only, they are not considered to be affected.

The municipal water systems of Bensenville, Itasca, and Wood Dale are cross-connected. The city of Bensenville's four wells draw from below the Maquoketa Shale confining unit. The cities of Itasca and Wood Dale each operate four wells that draw from the AOC. Wood Dale operates two additional wells. One of the wells is approximately 1/4 mile south of the site, draws water from below the Maquoketa Shale confining unit, and serves only industrial customers. Water from the vells within each municipality's system is blended before distribution (Voller, Sanderson, and Sargent 1986; Grossi 1990; Kindermann 1990).

The Itasca and Wood Dale wells in the AOC draw water from depths of 81 to 260 feet and range in depth from 107 to 260 feet. The total population served by these wells, plus the population in Bensenville, is approximately 34,504 persons (Woller, Sanderson, and Sargent 1986; U.S. Bureau of the Census 1982a).

Well logs of the area of the site indicate that private wells draw from the AOC. The wells vary in total depth from 127 to 230 feet. The nearest well is approximately 3/8 miles south of the site. Approximately 829 persons obtain drinking water from private wells within a 3-mile radius of the site. This estimate was calculated by counting 284 houses on U.S. Geological Survey (USGS) maps and multiplying this number by 2.92, the persons-per-household average for DuPage County (USGS 1961, 1962, 1963, 1963a; U.S. Bureau of the Census 1982). Areas not served by public water systems were identified by local water officials (Grossi 1990; Weinstock 1990; Kindermann 1990).

A potential does not exist for TCL compounds and TAL analytes to migrate from the site via windblown particles. Under normal operating conditions, no soil is exposed to the wind. At the time of the SSI, the dirt that was removed from the UST containment structure was completely covered with a blue tarpaulin to prevent wind erosion.

### 5.5 FIRE AND EXPLOSION

According to federal, state, and local file information reviewed by FIT, no documentation exists of an incident of fire or explosion at the site. However, Lt. Mitchell Crocetti of the Wood Dale Fire Department reported one incident that occurred in approximately 1936. Heavy smoke from the facility's injection molding machine forced the evacuation of the building, but any fire was extinguished before firefighters arrived at the site. Damage from the fire was apparently limited to the injection molding machine. Crocetti did not believe that the Venus site is a fire hazard, and he reported that he was not aware of any hazardous waste incidents at the site (Crocetti 1991).

According to FIT observations and site-entry equipment readings, no potential for fire or explosion existed at the site at the time of the SSI.

### 5.6 DIRECT CONTACT

According to federal, state, and local file information reviewed by FIT, observations made during the SSI, and the interview with the site representatives, no incidents of direct contact with TCL compounds or TAL analytes at the Venus site have been documented.

However, a potential for direct contact with TCL compounds or TAL analytes does exist and is based upon the following information.

- The site is not fenced on any side.
- TCL compounds and TAL analytes were detected in on-site soil samples.
- Approximately 40 employees work at the site.

A total of approximately 35,333 persons obtain their drinking water from sources that could be affected by the migration of TCL compounds and TAL analytes: 18,380 persons who obtain their water from municipal wells in the AOC (11,251 in Wood Dale; 7,129 in Itasca); 829 persons (in Addison Township) who obtain their water from private wells in the AOC; and 16,124 persons in Bensenville whose municipal water system is crossconnected with a water system that obtains water from the AOC. possibility for residents in Elmhurst, Elk Grove Village, and other municipalities to obtain their drinking water from well's that draw from the AOC does exist because the water systems of Itasca and Wood Dale are cross-connected with Bensenville's water system which, in turn, is cross-connected with the water systems of other municipalities. However, the extent of water usage from wells in the AOC that are in the cross-connected systems is not known, therefore no additional target population has been estimated (Woller, Sanderson, and Sargent 1986; U.S. Bureau of the Census 1982a).

### 5.3 SURFACE WATER

In accordance with the U.S. EPA-approved work plan, no surface water samples were collected during the SSI of the Venus site. The nearest surface water body is approximately 1 1/10 mile west of the site. However, topographic and man-made features would prevent runoff to any surface water body. The unnamed tributary of the Des Plaines River was removed entirely when adjacent properties were developed in the 1980s.

### 5.4 AIR

A release of TCL compounds or TAL analytes to the air was not documented during the SSI of the Venus site. During the reconnaissance inspection, FIT site-entry instruments (HNu, OVA, hydrogen cyanide monitor, radiation monitor, and explosimeter) did not detect levels that deviated from background concentrations at the site. However, during the sampling of monitoring well MV1, the HNu did detect organic vapors at the top of the well casing; although none were detected in the breathing zone. In accordance with the U.S. EPA-approved work plan, further air monitoring was not conducted by FIT.

The population within a 1-mile radius of the site potentially affected through direct contact with TCL compounds and TAL analytes at the site is 4,782 persons. This population was calculated by counting houses within a 1-mile radius of the site on a USGS topographic map (USGS 1963a) and multiplying this number by the persons-per-household value of 2.92 for DuPage County (U.S. Bureau of the Census 1982). This copulation was added to the approximately 3,938 persons in Wood Dale and 578 persons in Elk Grove Village, who live within a 1-mile radius of the site.

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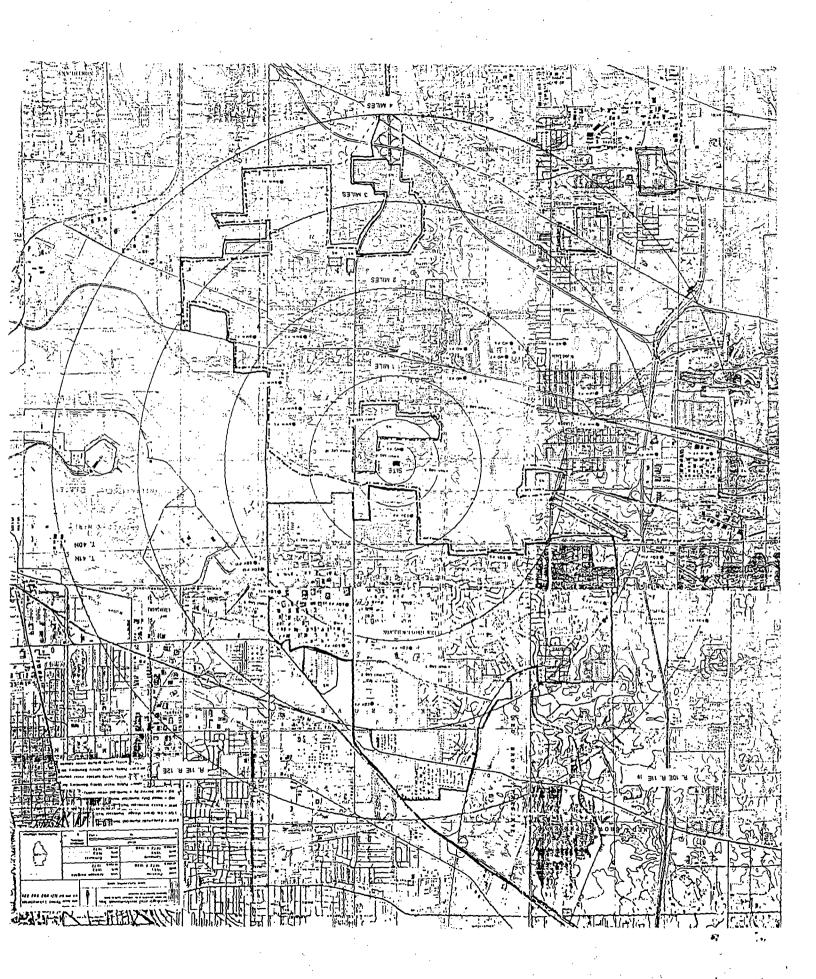
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6889:9

### APPENDIX A

SITE 4-MILE RADIUS MAP



### APPENDIX B

U.S. EPA FORM 2070-13



# Site Inspection Report

# **SEPA**

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1-SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

OI STATE OF SITE NUMBER

ILD OO'L 992 220

" OFFICE AND LOCATION	·			<del></del>	
II, SITE NAME AND LOCATION  DI SITE NAME Rapid common, of descriptive name of liter	10	2 STREET, R	OUTE NO , OR SPECIFI	C LOCATION IDENTIFIER	
1/ 1 -		855	Livelu		1
Venus Lab., Inc.	<del>- 1</del> 0	M STATE   05		DIV.t.	07COUNTY 08 CONG
Wood Dale			60191 D	uPage	043 06 DIST
09 COORDINATES 4 1 5 2 4 5 . 0 8 7 5 7 3 2 . 0	TYPE OF OWNERSHIP  A. PRIVATE [  D. F. OTHER		AL D C	STATE D. COUNTY D	E. MUNICIPAL
III. INSPECTION INFORMATION			·		
01 DATE OF INSPECTION 02 SITE STATUS 03	YEARS OF OPERATIO	\			
MONTH DAY YEAR DACTIVE		NING YEAR	Present ENDINGYEAR	UNKNOWN	
04 AGENCY PERFORMING INSPECTION (Check at that appy)	الجرم مدينية				
A EPA B B EPA CONTRACTOR ECCLESY & E	of lem)	C. MUNK	CIPAL 🗀 D. MUNK	CIPAL CONTRACTOR	(Name of firm)
O C CTATE O E STATE CONTRACTOR	of term)	C G. OTHE	R	(Soechy)	
05 CHEF INSPECTOR	DE TITLE			07 ORGANIZATION	08 TELEPHONE NO.
Charles Hall	Environ	menta	1 Ensineer	ELE/FIT	(312) 663-9415
09 OTHER INSPECTORS	10 TITLE			11 ORGANIZATION	12 TELEPHONE NO
Catherine J. Kouris	Environme	ental S	cientist	ELE/FIT	13121663-9415
Jennifer L. Dubay	Natural 9	Lesouv	ces Manager	ELE/FIT	1312) 663-9415
Gregory Youngstrom	Biologi	s <del>t</del>		ELE/FIT	13121663-4415
Ronald Bugg	Biologi Industri Health	al H Physi	ygienist/ cist	ELE/FIT	3121663-9415
		•			(.   )
13 SITE REPRESENTATIVES INTERVIEWED	V. P. Reseur	-LO 15/	DORESS Venus	Labs, Inc.	16 TELEPHONE NO
John Manolas	Developme	ent 95	52ively Bluk	· W=: 1 ColeIC	(704)595-1900
	Office Mai	nagen Vé	nus Labs,		
Ell: Manolas				Worldale, IL	40s <sup>1</sup> 595-1900
Mike Marresse	Plant Mana	924 8	enus Labs, <u>55 Lively B</u> History	iskel, Worl Date, Ic	17081 595-1900
Irving Dromsky	Consultar	1+ 71	( N. Iowa Av.	Villa Park, Ic	7081279-0390
				•	( )
					( )
			. — —		
17 ACCESS GAMED BY 18 TIME OF INSPECTION	19 WEATHER CON	DITIONS			
PERMISSION 9:00 a.m 4:00 p.m	Stunny	مام.	an rala	~50-600	E .
IV. INFORMATION AVAILABLE FROM	V. (1)	). <u>V. 1 V</u>			<u> </u>
01 CONTACT	02 OF (Aparcy/Organ	ng aron)		1	03 TELEPHONE NO.
Tarifana	711:	E.	110	44.1	12171782-9848
On Crause	OS AGENCY	106 09G	FO X A-CHIA! [[	steetien Agency	08 DATE
Charles Hall	U.S. EPA	1000	••••	312/663-9415	3 ,77,91
EPA FORM 2070-13 (7-81)					· ''7

**SEPA** 

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

1. IDENTIFICATION

O1 STATE O2 SITE NUMBER

T/ /) 002 992 220

<b>~</b>			PART 2 - WAST	<b>EINFORMATION</b>		IL 1000	2442 220
. WASTE ST	ATES, QUANTITIES, AN	D CHARACTER	STICS	<del></del>			<del>-</del>
II PHYSICAL ST III A SOLIO III B POWDEF III C SLUGGE III D OTH€R	_ G GAS	TONS .	ATY AT SITE If year awarenes MAKAOWA WAKAOWA WAKAOWA WAKAOWA	O3 WASTE CHARACTE  # A TOXIC  # B CORRO  _ C RADIOA  # D PERSIS	CTIVE - DIG FLAM	BLE II HIGHLY V TROUS II J. EXPLOS MABLE II K. REACTE	IVE VE VATIBLE
W 14/4 675 T	(Specify)	<del></del>		<u> </u>	·····	<del></del>	
CATEGORY	SUBSTANCE I	**************************************	Toucass many	02 UNIT OF MEASURE		3. TH (	1114
SLU	SLUDGE		01 31033 20011	OZ ONLI OF MEASURE	03 COMENIS	See Tables 9 and Section	
OLW	OILY WASTE					in Narratively	
SOL	SOLVENTS		Unknown	unknown		on-site son	
PSD	PESTICIDES		unKhown	unknown		on-site san	
occ	OTHER ORGANIC C	HEMICALS	My Known	unknown		n on-site sa	
юс	INORGANIC CHEMI			KKI-	-Cieciex i	× 64-7144 7€	M/IES
ACD	ACIDS		unknown	unknown			
BAS	BASES			NA BUAN			
MES	HEAVY METALS		unknown	unknown	Detected	in on-site.	sonplec
IV. HAZARD	OUS SUBSTANCES (500	Appendix for mas' frequen		· · · · · · · · · · · · · · · · · · ·			1
01 CATEGORY	02 SUBSTANCE	NAME	03 CAS NUMBER	04 STORAGE DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
1	()	T 11	1110	1120	ii M		
	Jee.	lables	14-1X	17-L of	the /Var	rative.	
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	1						
V. FEEDST	OCKS (See Appende to CAS M	mbers)		<del></del>		<del></del>	.1
CATEGOR	Y OI FEEDST	OCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDS	TOCK NAME	02 CAS NUMBER
FDS	sulfuric	s e i d	7664-93-9	FDS	Sadium	ydroxide	1310-73-2
FDS	isopropa	ì	67-63-0	FDS	0 0	YAIDRIAC	127000
FDS		iel fuel	n/a	FDS	Jee Secti	12,3 for	<del> </del>
FDS	buty/ ce		111-76-2	FDS	more de	**	
L	ES OF INFORMATION			s, reports)	I THUT E WI		<del></del>
Ele/FI		spection	Novembe		·	· · · · · · · · · · · · · · · · · · ·	<u> </u>
			et.				

### **SEPA**

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

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L IDENTIFICATION

01 STATE 02 SITE NUMBER

IL DOOZ 992220

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

PART 3 - DESCRIPTION OF HAZARDOOS CONDITIONS AND INCIDENTS		
H. HAZARDOUS CONDITIONS AND INCIDENTS		
01 TA GROUNDWATER CONTAMINATION 02 D OBSERVED (DATE: 04 NARRATIVE DESCRIPTION	# POTENTIAL	_ ALLEGED
See Section 5.2 of the Narvative for Details.		
01 DB SURFACE WATER CONTAMINATION: 02 D OBSERVED (DATE:) 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION	C POTENTIAL	I ALLEGED
See Section 5.3 of the Norrative for Details		<del></del>
01 C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION	C POTENTIAL	I ALLEGED
Con Print M. Aline D. D. H.	_	
See Section 5.4 of the Narrative for Detail	C POTENTIAL	I ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION	L FOILMING	_ ALLEGEU
See Section 5,5 of the Narrative for Details		
01 SE DESCRIBE SISSET THE PROPERTY OF DETAILS  03 POPULATION POTENTIALLY AFFECTED: 1702 04 NARRATIVE DESCRIPTION	S POTENTIAL	I ALLEGED .
03 POPULATION POTENTIALLY AFFECTED: 04 NAPPARTIVE DESCRIPTION	•	
See Section 5.6 of the Narrative for Detail	اع.	
01 M F CONTAMINATION OF SOIL 02 M OBSERVED (DATE 14 Nov 10) 03 AREA POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION	□ POTENTIAL	_ ALLEGED
(Acres)		• •
See Section 5.2 of the Navrative for Detail		<b>m</b>
01 @ G. DRINKING WATER CONTAMINATION 3 53 33 02 0 OBSERVED (DATE:) 03 POPULATION POTENTIALLY AFFECTED 3 53 3 04 NARRATIVE DESCRIPTION	FOTENTIAL	□ ALLEGED
		. *
See Section 5.2 of the Name to Contain	,	
See Section 5.2 of the Narrative for Detail	POTENTIAL .	□ ALLEGED
03 WORKERS POTENTIALLY AFFECTED ~ 40 04 NARRATIVE DESCRIPTION		
See Section 2,3 of the Narrative for Det  1 1 1 POPULATION EXPOSURE/INJURY 35333 02 0 OBSERVED (DATE:	ails.	·
01 \$1. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: 235333 04 NARRATIVE DESCRIPTION	# POTENTIAL	I ALLEGED
	•	
See Section 5,2 of the Narrative for De	etails,	

# **\$EPA**

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION

O1 STATE O2 STE NUMBER

TL D002992220

II. HAZARDOUS CONDITIONS AND INCIDENTS (CONTINUED)
01 DAMAGE TO FLORA 02 OBSERVED (DATE, POTENTIAL CI ALLEGED OA NARRATIVE DESCRIPTION
Discolored grass was observed during an off-site reconnaissance inspection
in July 1990. No discolored regetation was observed during the on-site inspection
in Nevember 1990. However, a potential for damage to flora does exist.
01 E K DAMAGE TO FAUNA 02 D OBSERVED (DATE:) #POTENTIAL D ALLEGED
Ni longes to fauna was observed during The site inspections the
potential for damage to fauna is condidered to be low because the site
is in a developing industrial park.
01 CONTAMINATION OF FOOD CHAIN 02 DI OBSERVED (DATE) DESCRIPTION 04 NARRATIVE DESCRIPTION
Contamination of the food chain is unlikely because no land within a
4-mile radius of the site is used for agriculture.
01 BW UNSTABLE CONTAINMENT OF WASTES 02 4 OBSERVED (DATE: 19Nov 90) D POTENTIAL DALLEGED
03 POPULATION POTENTIALLY AFFECTED: ~35333 04 NARRATIVE DESCRIPTION
See Sections 2.3 and 5.2 of the Narrative for Details  OI IN CAMAGE TO OFFSITE PROPERTY  OZ [] OBSERVED (DATE:
01 N CAMAGE TO OFFSITE PROPERTY 02 CI OBSERVED (DATE:) C POTENTIAL CI ALLEGED 04 NARRATIVE DESCRIPTION
No damage to off-site property was observed during the site
inspection.
01 DO CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS 02 B OBSERVED (DATE July 1978) - POTENTIAL - C ALLEGED
04 NARRATIVE DESCRIPTION THE 1978 the Wood Date City Manager manuful to TEPA damage that WAS
believed to have been caused by chemical discharges at venus Labs. Partof the
city's sewer system was danged. See Section 2,3 of the Narrative for Details
01  PL:EGAL/UNAUTHORIZED DUMPING 02  OBSERVED (DATE)
IEPA inspectors observed evidence of spilled and leaked chemicals at the site
during 26 site inspections between July 1980 and April 1984. See Section 2,3
of the Narrative for Details.
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
None noted.
III. TOTAL POPULATION POTENTIALLY AFFECTED: ~35333
IV. COMMENTS
None.
V. SOURCES OF INFORMATION (Cae specific references e.g. state ties, surrous analysis, records)
ELE/FIT Site Inspection November 1990.
ELE/FIT Region I Files.

9	F	PΔ
	_	

# POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION						
O1 STATE	02 SITE NUMBER DUOZ992220					

<b>SEPA</b>	SI PART 4 - PERMIT A	ITE INSPECTAND DESCRI		ļ.	TL DUOZ992220
II. PERMIT INFORMATION					
01 TYPE OF PERMET ISSUED (Chocs of that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS	
A. NPDES			1		
D.B. UIC					
C. AIR					
D. RCRA					
DE. RCRA INTERIM STATUS	· ·				
□ F. SPCC PLAN				<u> </u>	
G. STATE (Special)					
DH. LOCAL (Souch)					
I. OTHER (Sovery).		1		1	
■ J. NONE	No permit	frain	U.S. EPA or	TEPA.	
III. SITE DESCRIPTION	1110	1	4,3,41,,01	1 17 :	<del></del>
	02 AMOUNT 03 UNIT OF	MEASURE 04	TREATMENT (Check of that	NOO'YI	05 OTH€R
☐ A SURFACE IMPOUNDMENT _			L INCENERATION		
D B PLES		C E	. UNDERGROUND INJ	ECTION	■ A. BUILDINGS ON SITE
■ C. DRUMS, ABOVE GROUND	<u>anknown 55-g</u>		C. CHEMICAL/PHYSIC	AL	
D TANK, ABOVE GROUND	1 500g	<u>.</u>	). BIOLOGICAL		One
SE. TANK, BELOW GROUND	- 100	<u> </u>	. WASTE OIL PROCES		OG AREA OF SITE
G LANDFARM		L	. SOLVENT RECOVER 3. OTHER RECYCLING		~
☐ H. OPEN DUMP			I. OTHER NOME		
BIOTHER Tank, aboves	red 3 1200	galla		oecdy)	
At the time of the owners were ta See Section 2.3 of	King action t	to remo	ove the 8	USTS	•
IV. CONTAINMENT					
01 CONTAINMENT OF WASTES (Creck one)				_	. •
A ADEQUATE, SECURE	. 9. MODERATE	. C. INADE	QUATE, POOR	E O. INSECT	URE, UNSOUND, DANGEROUS
02 DESCRIPTION OF DRUMS, DIKING, LINERS.	BARRIERS, ETC.				
There is no know are returned to 3.3 for more d	Venus Labs'	en the s supplier	ite. Emp (s). See	Section	gallon drums as 2.3 and
V. ACCESSIBILITY					
or waste easily accessible: By oz comments There are no f		site to	prevent a	cceis.	
VI. SOURCES OF INFORMATION (CA.	specific references, e.g. state files, san	opie analysis, reports)			
ELE/FIT S			ovember 19	90.	
ELE/FIT R	legion I Fil	les,			·

	Fr	74
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# POTENTIAL HAZARDOUS WASTE SITE

	LIDENTIFICATION					
-	OI STATE	02 SITE NUMBER				
	エレ	00029922				

<b>SEPA</b>	PART!	SITE INSPECTION REPORT  PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA  SITE INSPECTION REPORT  L D 002 99					
II. DRINKING WATER SUP	PLY						
01 TYPE OF DRINGING SUPPLY (Check as associated)		02 S	TATUS			03 DISTANCE TO SITE	
S				FECTED	MONITORED	~5/8	
COMMUNITY		8.	A. D	B. C	c. <b>1</b> f. 0 unkano	~·	•
NON-COLUMITY	C. 🗆	D. 🖻	D. C	€. □	F. LI CONNE	WH B. 25/8_(m	ŋ 
II. GROUNDWATER	<u> </u>		<u> </u>		<del></del>	<del></del>	
O1 GROUNOWATER USE IN VICH	RENKUNG D 8. DR			C. COMMERCIA (Limited other so	L INDUSTRIAL, IRRIGAT Luccas dugalogy	DON 🗀 D. NOT USED, UNU:	SEABLE
02 POPULATION SERVED BY G	OUND WATER	<u>353</u> 33	03 DIST	ANCE TO NEAR	EST DRINKING WATER	well ~ 3/8 (m	u)
04 DEPTH TO GROUNDWATER	05 DURE	CTION OF GROUNDWATE		H TO AQUIFER	07 POTENTIAL YIEL	LD 08 SQLE SOURCE	LOUIFER
~25 "	, l	1h Known	1	25 m	OF ADUFER Un Khowh	☐ YES	<b>■</b> NO
DO DESCRIPTION OF WELLS (IN	<u> </u>				, striktinger	_ (gpd)	<del></del>
See Se 10 RECHARGE AREA 11 YES COMMENTS 4	ction S.	.2 of the recharge ecipitation,	Navna-	HARGE AREA	for deta	ils . ly discharge po mile of the sin	ints
			E N<	)	MINIM I	mile of the sti	· E ,
IV. SURFACE WATER	nfiltnation	4 N	<del></del>				
O1 SURFACE WATER USE ICH		<del></del>	· · · .		<del> </del>		
D A RESERVOIR, RECE	REATION []	B. IRRIGATION, ECON IMPORTANT RESOU		C. COMMER	CIAL INDUSTRIAL	D. NOT CURRENT	LYUSED
02 AFFECTED POTENTIALLY	FFECTED BODIES OF	WATER			<del></del>	<del></del>	
NAME.					AFFECTE	D DISTANCE TO S	πe
	ce wat	er migratio	n routes	were		n/a	(m) (m)
V. DEMOGRAPHIC AND		RMATION		<sub>1</sub>			<del></del>
01 TOTAL POPULATION WITH			•		02 DISTANCE TO NEA	REST POPULATION	
ONE (1) MALE OF SITE  A. ~ 4782  NO OF PERSONS		MLES OF SITE 35611 OF PERSONS	THREE (3) MILES			On-site (mi)	
03 NUMBER OF BUILDINGS W	THIN TWO (2) MILES (	OF SITE	04 DIS	TANCE TO NEA	AEST OFF-SITE BUILDIN		
	~ 121961	15:46?			~10.	F+ M	
OS POPULATION WITHIN VICH	ATTY OF SITE (Provide A)	erative description of nature of ≃	outsion work want of	240.00.7072 484		<del></del>	
The site	e is loca	ted in an	industri	al par	K that is	approximate	ly
3 miles w Airport.	est of	the wester	n borde	er of	O'Hare In	sternational	

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION 01 STATE 02 SITE NUMBER
TL DO02992220

	4 71041						
ENVIRONMENTAL INFORM PERMEASKITY OF UNSATURATED		. 2	<u> </u>		·		
	•			<b>_</b>			
· □ A. 10-6 - 10	)-® cm/sec ■ B. 10	)-4 ~ 10 <sub>7</sub> 6 cm/sec □	C. 10 <sup>-4</sup> = 10 <sup>-3</sup> cm/s	ec [] D. GREAT	ER THAN 10-3 c	m/sec	
PERMEASILITY OF BEDROCK ICAGE	4 anel	<del>- · · · · · · · · · · · · · · · · · · ·</del>	· · · · · · · · · · · · · · · · · · ·	<del></del>	<del></del>		
Z A. IMPER		ELATIVELY IMPERMEABL	E C C DELATINELY	DC014E4016 C	D 1607 DED14		
	n 10 <sup>-6</sup> cm sec) (10	0-4 - 10-6 cm sec)	(10 <sup>-2</sup> - 10 <sup>-4</sup>		(Greater than 10		
DEPTH TO BEDROCK	04 DEPTH OF CONTA	MINATED SOIL ZONE	05 SOIL PH		<del></del>		
	1						•
~62-170 (m)	<u>uh</u>	known (n)	_61 h	Knowh			
NET PRECIPITATION	07 ONE YEAR 24 HO	UR RAINFALL	08 SLOPE		· · · · · · · · · · · · · · · · · · ·		
~+6	~ +	7.4	SITE SLOPE	DIRECTION OF SIT	E SLOPE   TER	RAIN AVERAGE SI くて	LOPE
(in)		<u>د، (</u> (in)		h/a			<u> </u>
FLOOD PUTENTIAL	. 10						
STEISIN 1/0 YEARF	LOODPLAIN )	1 SITE IS ON BARRIE	ER ISLAND, COASTAL	HIGH HAZARO AR	EA, RIVERINE FL	.OODWAY	
DISTANCE TO WETLANDS 15 acre me		170-	12 DISTANCE TO CRITIC	CAL HABITAT IN MAR	cered species!	· · · · · · · · · · · · · · · · · · ·	
ESTUARINE	OT	HER		>	• 1		
2010/11/11/2	1.	,		. <u></u>	(mi)		
1 h / a (mi)	в <u>~ /</u>	2(mi)	ENDANGEREI	O SPECIES:			•
LANDUSE IN VICINITY							
DISTANCE TO:						•	
بسسم		FORESTS, OR WILDLIF			GRICULTURAL I		
COMMERCIALINDUS	A PARIAL D	ronests. On Wilbur	E VESENAES	PRIME AG	DAD	AG LAND	
. 0.	_	2.7/2	٠	•	•	- 21	
10 ft y	<del>n</del> i)	B. ~3/8	(mi)	c h/w	(mi) D	74 "	mi)
	•••		(1111)	<u> </u>	(114) D	_ <del></del> (	
			(m)	<u> </u>	(iii) 0		
AIDESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					
DESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					
EDESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO						
DESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					
EDESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					
EDESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					114
DESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					
DESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					
DESCRIPTION OF SITE IN RELATE	ON TO SURROUNDING TO	POGRAPHY					
Refer to	on to suppounding to	padius r	nap + S				
Refer to	on to suppounding to	padius r	nap - S	ee Apf	vendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	vendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	vendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	vendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	vendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	lendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	lendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	lendix	A.	
Refer to	on to suppounding to	padius r	nap - S	ee Apf	lendix	A.	
VII. SOURCES OF INFORMA	ON TO SURROUNDING TO	POGRAPHY  A dius V	nap - \$	eeApf	rendix	A.	
VIL SOURCES OF INFORMA  ELE/FIT	TION ICAO EDECAC FOLOROM Site Ins	POGRAPHY  Padius V  cos eq. size for semple snerge  pection Nov	nap - \$	eeApf	rendix	A.	
VII. SOURCES OF INFORMA	Site Ins	radius v	nap - \$	ELEIA	TRegi	A. on 又 File	

## **\$EPA**

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

L IDENTIFICATION					
O1 STATE O2 SITE NUMBER					
IIL_	D002992220				

IL SAMPLES TAKEN	<u> </u>				
SAMPLE TYPE		01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	OS ESTIMATED DATE PESULTS AVAILABLE	
GROUNDWATER		1	TCL: Wadsworth Alert Labe Canton, Ohio TAL: Columbic Analytical Servi Kelso WA	On File	
SURFACE WATER			100		
WASTE		The same			
AIR					
RUNOFF					
SPILL					
SOIL		6	TCL: Wadsworth Alert Labs Canton, Ohio TAL: Columbia Analytical Serv, Kelso, WA	On File	
VEGETATION					
OTHER	<u></u>				
IIL FIELD MEASUR			· · · · · · · · · · · · · · · · · · ·		
OI TYPE Radiati	e h	02 COMMENTS	·		
Mini - A	ie+	No mea	surements above background		
Explosi,	neter.	Nomens	urements above background		
HCN-MOL	itix_	No meas	curements above background		
HNuzC	VA	Measuren	ents of 5-7 ppm at I sample logation. No oth	er above bekgd	
Oxygen m		No devi	ations from background concentrat		
01 TYPE ( GAOUN	D D AERIAL		02 HOUSTOON OF Ecology KEnvironment Chicago,	IL	
03 MAPS  18 YES  D NO	04 LOCATION E		nvironment, Inc. Chicago, Illinois		
V. OTHER FIELD DATA COLLECTED (Provide namedy description)					
pH, ten	peratu	ive, condi	activity of MW sample (See Table 4-2	for details).	
, ,			le 3-1 in SSIR Narrative for detail		
Well depth (See Tuble 3-1 in SSIR Navrative for details).					
	•				
•				•	
VI. SOURCES OF	INFORMATI	ON ICER SOUCHE INTO THE SE	e g , state lifes, sample energisd, reports)		
ELE/	FIT	2ite	Inspection 1990.		
		•		•	
I .		-		-	

O FDA	PO		ARDOUS WASTE SITE	I. IDENTIFIC	
<b>ŞEPA</b>	_		CTION REPORT		SITE NUMBER > 002992220
		<u> </u>	IER INFORMATION	<u></u>	
CURRENT OWNER(S)			PARENT COMPANY IF ADDICADE		
NAME		D+8 NUMBER	OS NAME		D9 D+B NUMBER
Venus Laboratorie	s, Lhc. In	uknown	hone		
			10 STREET ADDRESS (P O. Box, RFD #. exc.		11 SIC CODE
355 Lively Blud.	OS STATE OF	unknown	12 CITY	1,207,75	14 ZIP CODE
Wood Dale	TL	60191	12411	1,33,7,1	14 ZIP CODE
NAME		D+B NUMBER	OB NAME		09 D+ B NUMBER
	1		h/a	i	o b · b · tomoe · ·
N/h I STREET ADOPESS (P.O. BOL #04, Mr.)		04 SIC CODE	10 STREET ADDRESS (P.O. Boz, RFD P. DE.		11 SIC COD€
				•	
s any	OS STATE O	7 ZIP CODE	12 017	13 STATE	14 ZIP CODE
·		-			
1 NAME		2 D+B NUMBER	DB NAME		09 D+B NUMBER
h/a	. [		hja		
STREET ADDRESS (P.O Box #D F, MC.)		04 SIC CODE	10 STREET ADORESS (P.O. Box, RFD F, acc	j	11SIC CODE
5 CTY	OS STATE	7 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
·				1.	
1 NAME		2 D+B NUMBER	08 NAME		09 D+B NUMBER
h/a		1	h/a 10 STREET ADDRESS (P.O. Box, AFD P. sec		
03 STREET ADORESS (F.O. Box #0 F. HC.)		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD P. oc	1.	11 SIC CODE
				· • • • • • • • • • • • • • • • • • • •	
05 CITY	06 STATE	07 ZIP CODE	12 017	13 STATE	14 ZIP CODE
<del></del>				<u>_</u>	<u> </u>
IIL PREVIOUS OWNER(S) (Las most recent.		02 D+B NUMBER	IV. REALTY OWNER(S) (# RODICEDON	Na most recent brat)	O2 O+B NUMBER
	ľ	UZ D+B NUMBER		•	UZ U+B NUMBEH
UNKHOWH	<u></u>	04 SIC CODE	Mone		04 SIC COD€
os sirect recordos procumentos anti-					1
05 CITY	06STATE	07 ZIP CODE	OS CITY	06 STATE	07 ZIP CODE
				·	1
O1 NAME		02 D+B NUMBER	01 NAME	<del></del>	02 D+B NUMBER
h/a			h/a		
03 STREET ADDRESS (P.O. Box. NO P. etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD F. or	K)	04 SIC CODE
	100 00 00	27.70.0005	los cary		
05 CITY	OS STATE	07 ZIP CODE	05 CITY	08 STAT	E 07 ZIP CODE
01 NAME		02 D+B NUMBER	O1 NAME		02 D+B NUMBER
b / ·			h/a		320.0.0000
OS STREET ADDRESS (P.O. BOLL PFD P, MC.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, AFD P. or	E)	104 SIC CODE
OSCITY	06 STATE	07 ZIP CODE	05 CITY	O6 STAT	E 07 ZIP CODE
	1			1	

EXE / FIT Region V Files.

## **\$EPA**

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION

L IDENTIFICATION

O1 STATE O2 SITE NUMBER

TL DOOZ 992220

IL CURRENT OPERATOR	R (Provente & rilliannes from	0.0004		OPERATOR'S PARENT COMPANY	and the	· · · · · · · · · · · · · · · · · · ·
)1 NAME	The state of the s		D+B NUMBER	10 NAME 11 D+B NUMBER		
Versel L	و المناج و الم	The L	. V	h m/a ==	ļ	
Venus Laboress 18.0. Box	, RFO #, etc.)	746114	04 SIC COD€	12 STREET ADDRESS (P.O. BOX, AFD P. HC)	L	13 SIC CODE
855 Livel SOUTY Word Dale SO YEARS OF OPERATION	DIVA		k			
CIVE	7 BIVA.	OS STATE OF	ZIP CODE	14 CITY	15 STATE 1	6 ZIP COOE
1/ 10/	•	7,	/ 191			0 L# 000E
WECH Vale		120	60111		_11	<del></del>
1975+ present	Venus La	<u>- 60 rat</u>	ories	<u> </u>	· ·	
III. PREVIOUS OPERAT	DR(S) (Lat most recent fi	rst; provide only if	different from owner)	PREVIOUS OPERATORS' PARENT CO	MPANIES #	policable;
1 NAME		07	2 D+B NUMBER	10 NAME		11 D+8 NUMBER
UNKNOWN		- 1		none	ļ	
STREET ADDRESS (P.O &	s. RFD #, etc.)		04 SIC CODE	- <del></del>		13 SC CO0€
			1			
DS CITY		OS STATE O	7 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
·						
DB YEARS OF OPERATION	09 NAME OF OWNER	DURING THIS F	PERIOD	<del>                                     </del>	<del>- 11</del>	<del></del>
				1		
01 NAME	L	To	2 D+B NUMBER	10 NAME		11 D+B NUMBER
3,7	• ,					
M / K 03 STREET ADDRESS (P.O. So	- 960 4 am l		104 SIC COD€	12 STREET ADDRESS (P.O. BOX. RFD #, etc.)		13 SC COD€
US STREET ACCOUNTY FOUR	L NO DO , MC. /			TE STREET ROOMESS (P.O. BOX, APDV, VIC)		1,330,000
		D6 STATE O	1 710 0000	14 C/TY	lie extent	1
os any 🏋		J00 31 A.E. JU	7 ZIP CODE	The Cart	1,221416	16 ZIP COOE
		<del>     </del>				<u> </u>
08 YEARS OF OPERATION	09 NAME OF OWNER	I DURING THIS	PERIOD	(	:	
						,
01 NAME		ľ	D2 D+8 NUMBER	10 NAME		11 D+8 MUMBER
n/a		1		1 n/a		
03 STREET ADOPESS (P.O. A	DE, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O Box A-De. etc.)		13 SC CODE
			1 .	·		
OS CITY		OS STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP COOE
		1 1	,		Ì	
OB YEARS OF OPERATION	09 NAME OF OWNER	R DURING THIS	PERIOD		I	<u> </u>
•			•			
IV. SOURCES OF INFO	DRMATION (C				-	
				<del></del>		<del></del>
FLF/FI	r Site	Ins	pection	November 1990.		
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ELE/FI	r Reg	ion 1	T Files.	•		
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}	• •					
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	P	POTENTIAL HAZARDOUS WASTE SITE			I. IDENTIFICATION	
<b>\$EPA</b>		SITE INSPECTION REPORT			OI STATE 02 SITE NUMBER  IL DOOZ 992220	
	PART	9 - GENERATOR/TR	ANSPORTER INFORMATION	TTC 100	1027 12220	
I. ON-SITE GENERATOR	÷	1.25 T	in the second			
1 NAME		02 D+B NUMBER	T	• • •		
Venus Laboratorie	The	unknown	*.	-		
STREET ADDRESS IF 2 Box RFD P. MC :		04 SIC CODE	1		e.	
855 Lively Blud.		11 h K m m 12	6. 6.			
sary	06 STATE	Unknown 07 ZP COOE	-			
	IL	60191				
Wood Dale	126	1 801 11	<u> </u>		<del> </del>	
I. OFF-STE GENERATOR(S)		02 D+B NUMBER	O1 NAME		0.0.0100000	
1 NAME		U2 D+B NOMBER		ľ	2 D+B NUMBER	
none Known		1	n/a			
STREET ADDRESS (P.O. Box, RFD P. HC)		04 SIC COD€	03 STREET ADORESS (P.C. Box, RFD F, sec.)		04 SIC CODE	
·						
S CATY	06 STATE	E 07 ZIP CODE	los atr	OB STATE	7 ZIP CODE	
1 NAME		02 D+B NUMBER	01 NAME	(	2 D+B NUMBER	
h/a			h/a	İ		
STREET ADDRESS (P.O. BOX, RFD F. HC.)	-	04 SIC COD€	03 STREET ADORESS (P.G. Box, RFD F. sec.)		04 SIC COD€	
	,					
is City	06 STATI	E 07 ZIP CODE	05 CITY	06 STATE	07 ZJP COO€	
	ł		. 1		•	
IV. TRANSPORTER(S)	1	<del></del>				
1 NAME		02 D+B NUMBER	01 NAME	<del></del>	02 D+B NUMBER	
10 1/		·	h /.	İ		
Mone Kuchh		104 SIC CODE	03 STREET ADDRESS (P.O. Box, AFD P. sec.)		04 SIC CODE	
					10,000	
is atr	IO6.STAT	TELO7 ZIP CODE	05 CITY	IOA STATE!	07 ZIP COO€	
341		10.2 000	054.1	[003.2.12]	07 24 0002	
)1 NAME		02 D+B NUMBER	DI NAME		02 D+B NUMBER	
		Dr Dr Briomach			UZ DYB HUMBER	
h/a		Tour excesses	h/a		la consess	
D3 STREET ADDRESS (P O Box, RFD #, MC)		04 SIC CODE	03 STREET ADDRESS (P 0 Box, RFD F, etc.)		, 04 SIC CODE	
:		1		Y	· · · · · · · · · · · · · · · · · · ·	
os aty	. 06514	TE 07 ZIP CODE	05 CTY	OS STATE	07 ZIP CODE	
V. SOURCES OF INFORMATION (Car	specific reference	is, e.g., state fles, sample analysi	L reports)			
/ C	C > ±	T	. 1 - 1 - 1990		<u> </u>	
ELE/FIT	7115	Turbecho	n November 1990			
•	•					
ELE/FIT	Kegic	in I Files	r.			
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1						

EPA FORM 2070-13 (7-81)

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<b>!</b>	$\mu$

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

L IDENTIFICATION

01 STATE 02 SITE NUMBER

TL D 002992220

# PAST RESPONSE ACTIVITIES (Contract)		
01   R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	O2 DATE	C2 AGENCY
h/a		
01 D.S. CAPPING/COVERING 04 DESCRIPTION	O2 DATE	© AGENCY
Wa	<del></del>	
01 DT. BULK TANKAGE REPAIRED 04 DESCRIPTION	O2 DATE	CI AGENCY
h/a		
01 E U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a		
01 ☐ V. BOTTOM SEALED 04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a		
01   W. GAS CONTROL 04 DESCRIPTION	02 DATE	C3 AGENCY
h/a		
01   X. FIRE CONTROL 04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a		
01   Y. LEACHATE TREATMENT 04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a		•
01 G Z. AREA EVACUATED 04 DESCRIPTION	O2 DATE	E3 AGENCY
h/a	į	
01 [] 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	O2 DATE	CD AGENCY
n/a		
01   2. POPULATION RELOCATED  04 DESCRIPTION	O2 DATE	C3 AGENCY
h/a	•	
01 # 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	O2 DATE	CJ AGENCY
V- V		

Specific response activities are not known. A 1985 consent decree between Venus Labs and the State of Illinois required Venus Labs to address several waste and raw material storage coldisposal practices at the site. It is reasonable to believe that spilled material and/or contaminated soil was removed and that waste was repackaged and disposed of elsewhere. However, documentation of these activities is not known to FIT.

IL SOURCES OF INFORMATION (Car specific references, e.g., state free, semone analysis reports)

ELE/FIT Site Inspection November 1990.

**\$EPA** 

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT. PART 10 - PAST RESPONSE ACTIVITIES

L IDENTIFICATION

OI STATE OZ SITE NUMBER

TL DOUZGIZZO

р,	ART 10 - PAST RESPONSE ACTIVITIES	
L PAST RESPONSE ACTIVITIES		
01 C A WATER SUPPLY CLOSED 04 DESCRIPTION	O2 DATE	03 AGENCY
01 G B TEMPORARY WATER SUPPLY PROVIDED	02 DATE	03 AGENCY
04 DESCRIPTION		
h/a		·
01 T C PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
h/a	02 DATE	
01 C D SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
none Known		
01 T. E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
hove Knowh	02 DATE	03 AGENCY
04 DESCRIPTION		
None Knowh 01 3 G WASTE DISPOSED ELSEWHERE		
01 G WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	O2 DATE	03 AGENCY
hone Knowh		
01 ID H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY
n/a		
01 I L IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	O2 DATE	03 AGENCY
n/a	02 DATE	•
01 🗇 J IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
h/a		
01 D.K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
n/a		
01 D L ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
n/a		•
01 T M EMERGENCY WASTE TREATMENT	02 DATE	03 AGENCY
04 DESCRIPTION .  N/A		
01 G N CUTOFF WALLS	O2 DATE	03 AGENCY
04 DESCRIPTION		
h /a	R DIVERSION 02 DATE	0240000
C4 DESCRIPTION	UZ DATE	US AGENCY
n/a	00.01-77	
01 C P CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	U3 AGENCY
h/a		
01 D Q SUBSURFACE CUTOFF WALL C4 DESCRIPTION	O2 DATE	03 AGENCY
h/a		



### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

1985 consent decree between Venue Labo and the State of Illinois

L IDENTIFICATION

01 STATE 02 SITE NUMBER

TL DO02992220

II. ENFORCEMENT INFORMATION

OI PAST REGULATORY/ENFORCEMENT ACTION TO YES IN NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

required that Venus Labe prevent spillage and learage of climicals from the site. Ten actions were mandated, and . 44000 fine was paid. In 1985, Venus Labe plead quilty to four counte of releasing climicals into an unnamed tributary to the Dea Plainese River without a National Pollutant Diecharge Elimination System primit. The unnamed tributary was displaced during the development of adjacent property.

See Section 2,3 of the Narrative for further details.

III. SOURCES OF INFORMATION (Cre specific references, e.g., stelle fres. sample analysis (records)

ELE/FIT Region Y Files

ELE/FIT site Inspection November 1990.

### APPENDIX C

### FIT SITE PHOTOGRAPHS

PIELD PHOTOGRAPHY LOG SHEET.

SITE NAME:

Venus Laboratories, Inc.

08 z. 16 PAGE

U.S. EPA TO: ILD 002 992 220

F05-8912-100 TOD:

PAR: FILO319SB

DATE: 14 Nov 90

TIME: 15:20

DIRECTION OF

PHOTOGRAPH: north

WEATHER CONDITIONS: ;

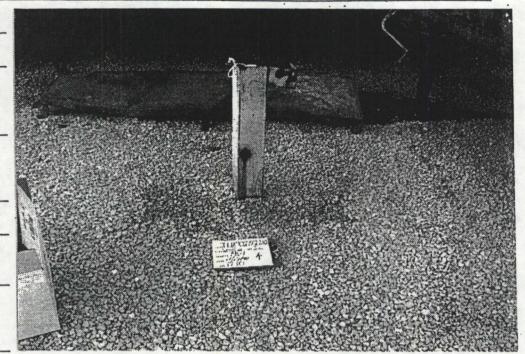
sunny, clear 50s F

PHOTOGRAPHED BY:

Charles Hall

SAMPLE ID (if applicable):

MWI



DESCRIPTION: MWI close up.

DATE: 14 Nov 90

TIMB: 15:20

DIRECTION OF PHOTOGRAPH:

north

WEATHER CONDITIONS:

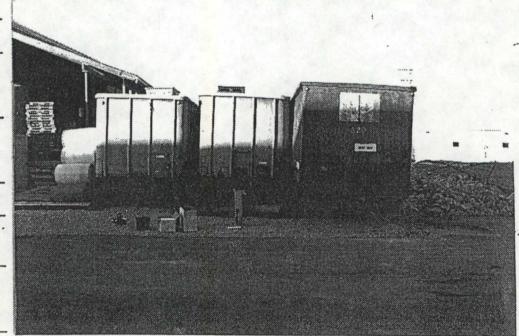
sunny, clear 50s F

PHOTOGRAPHED BY:

Charles Hall

SAHPLE ID (if applicable): MW1

DESCRIPTION: Mw1 perspective.



PIELD PHOTOGRAPHY LOG SHEET-

Venus Laboratories, Inc. SITE NAME:

PAGE 2 OF : 6

U.S. EPA ID:

ILD 002 992 220

F05-8912-100 TOD:

FIL0 319 SB PAN:

DATE: 14 Nov 90

TIHE: 12:15

DIRECTION OF PHOTOGRAPH:

east

WEATHER CONDITIONS: ;

sunny, clear 50s F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: S1

close up.

DATE: 14 Nov 90

TIMB: 12:15

DIRECTION OF PHOTOGRAPH:

east

WEATHER CONDITIONS:

sunny, clear 50s F

PHOTOGRAPHED BY:

\_ Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: SI perspective.



### FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Venus Laboratories, Inc.

PAGE 3 OF :16

U.S. EPA ID: ILD 002 992 220

F05-8912-100 TOD:

PAR: FILO319SB

DATE: 14 Nov 90

TIHE: 11:47

DIRECTION OF PHOTOGRAPH:

northwest

VEATHER CONDITIONS: ;

sunny, clear 50s F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: S2 close ap.

DATE: 14 Nov 90

TIME: 11:47

DIRECTION OF PHOTOGRAPH:

northwest

WEATHER CONDITIONS:

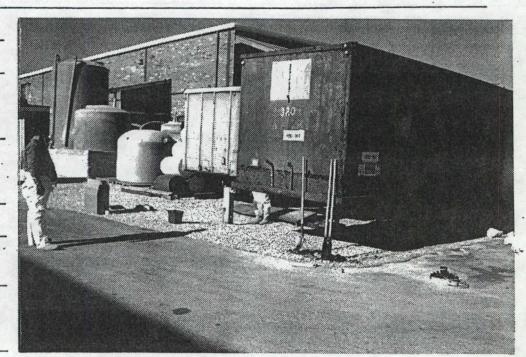
sunny, clear 50s F

PHOTOGRAPHED BY:

Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: SZ perspective.



PIELD PHOTOGRAPHY LOG SHEET.

SITE NAME:

Venus Laboratories, Inc.

PAGE 4 OF E. 16.

U.S. EPA TO: ILD 002 992 220

TOD: F05-8912-100

PAR: FILO319SB

DATE: 14 Nov 90

TIHE: 12:11

DIRECTION OF PHOTOGRAPH:

north west

WEATHER CONDITIONS: ;

sunny, clear 50s F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable):



DESCRIPTION: S3 close up.

DATE: 14 Nov 90

TIMB: |2:11

DIRECTION OF PHOTOGRAPH:

northwest

WEATHER CONDITIONS:

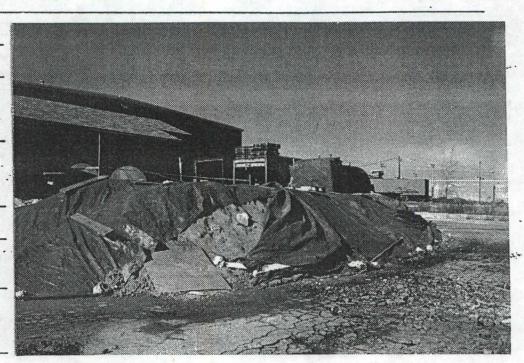
sunny, clear 50s F

PHOTOGRAPHED BY:

Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: S3 perspective.



PIELD PHOTOGRAPHY LOG SHEET SITE NAME: Venus Laboratories, Inc. 5 OF = 16 PAGE U.S. EPA ID: ILD 002 992 220 PAN: FILO319SB F05-8912-100 TOD: DATE: 14 Nov 90 TIHE: 12:10 DIRECTION OF PHOTOGRAPH: South VEATHER CONDITIONS: ; sunny, clear 50s F PHOTOGRAPHED BY: \_ Charles Hall SAMPLE ID (if applicable): DESCRIPTION: S4 close 40

DATE: 14 Nov 90

TIMB: 12:10

PHOTOGRAPH:

VEATHER CONDITIONS:

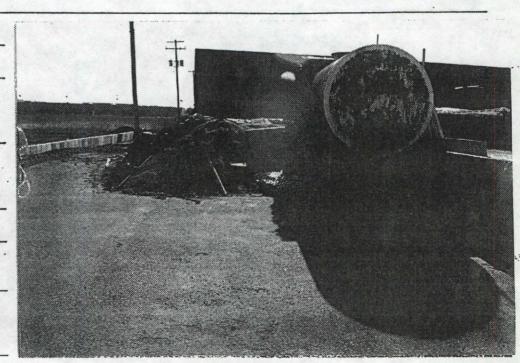
sunny, clear 50s F

PHOTOGRAPHED BY:

\_ Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: 54 perspective.



### FIELD PHOTOGRAPHY LOG SHEET.

Venus Laboratories, Inc. SITE NAME:

PAGE 6 OF E.

U.S. EPA TO: ILD 002 992 220

F05-8912-100 TOD:

PAR: FILO319SB

DATE: 14 Nov 90

TIME: 12:45

DIRECTION OF PHOTOGRAPH: West

VEATHER CONDITIONS: ;

sunny, clear 50s F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable):



DESCRIPTION: S5 close up.

DATE: 14 Nov 90

TIME: 12:45

DIRECTION OF PHOTOGRAPH:

West

VEATHER CONDITIONS:

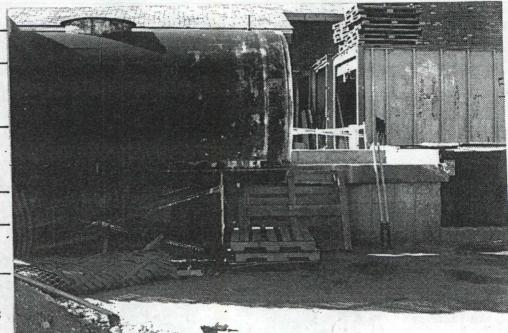
sunny, clear 50s F

PHOTOGRAPHED BY:

Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: S5 perspective.



PIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Venus Laboratories, Inc.

PAGE 7 OF = 16

U.S. EPA TO: ILD 002 992 220

F05-8912-100 TOD:

FIL0319SB PAR:

DATE: 14 Nov 90

TIME: 13:24

DIRECTION OF PHOTOGRAPH:

east

WEATHER CONDITIONS: ;

sunny, clear 50s F

PHOTOGRAPHED BY: \_ Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: S6 close up

DATE: 14 Nov 90

TIME: 13124

DIRECTION OF PHOTOGRAPH:

east

VEATHER CONDITIONS:

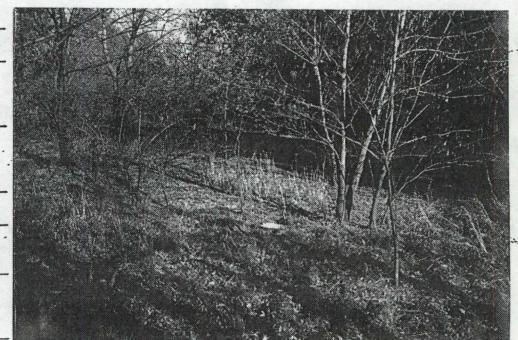
sunny, clear 50s F

PHOTOGRAPHED BY:

\_ Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION: S6 perspective.



PIELD PHOTOGRAPHY LOG SHEET-

SITE NAME:

Venus Laboratories, Inc.

OF = 1 6 PAGE

U.S. EPA ID: ILD 002 992 220

F05-8912-100 TOD:

FIL0319SB PAN:

DATE: 14 Nov 90

TIME: 11:49

DIRECTION OF PHOTOGRAPH:

north

WEATHER CONDITIONS: ;

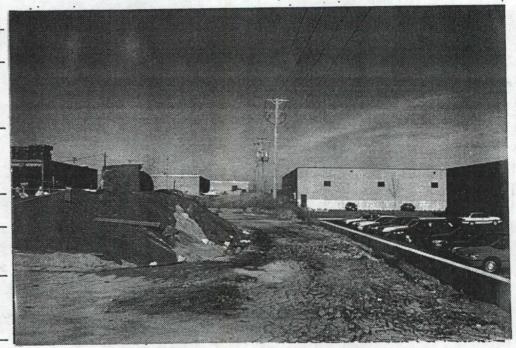
sunny, clear 50s F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable):

DESCRIPTION:

n/a



Soil removed from USTs; east end of

Venus Labs site.

DATE: 14 Nov 90

TIME: 12:04

DIRECTION OF PHOTOGRAPH:

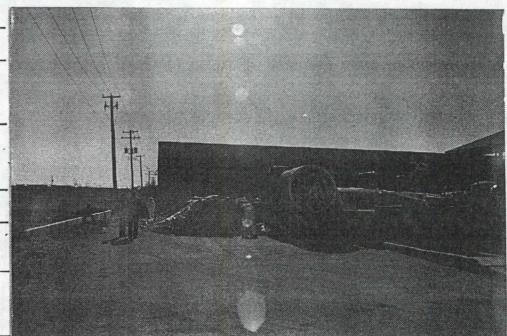
WEATHER CONDITIONS:

sunny, clear 50s F

PHOTOGRAPHED BY:

\_ Charles Hall

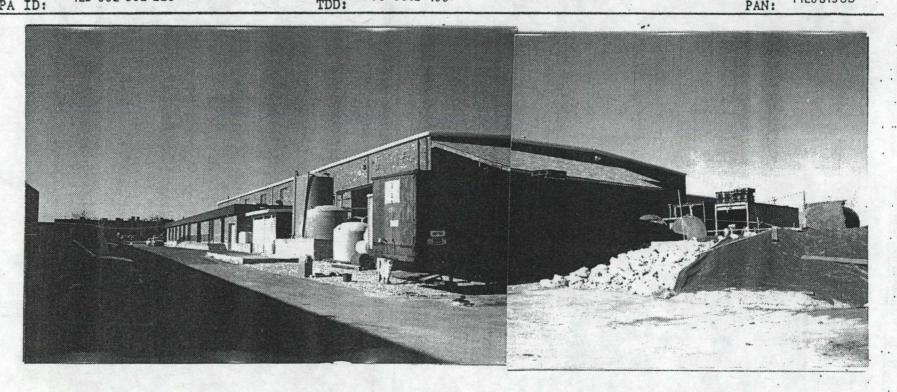
SAMPLE ID (if applicable): n/a



Soil that was removed from around USTs; east.

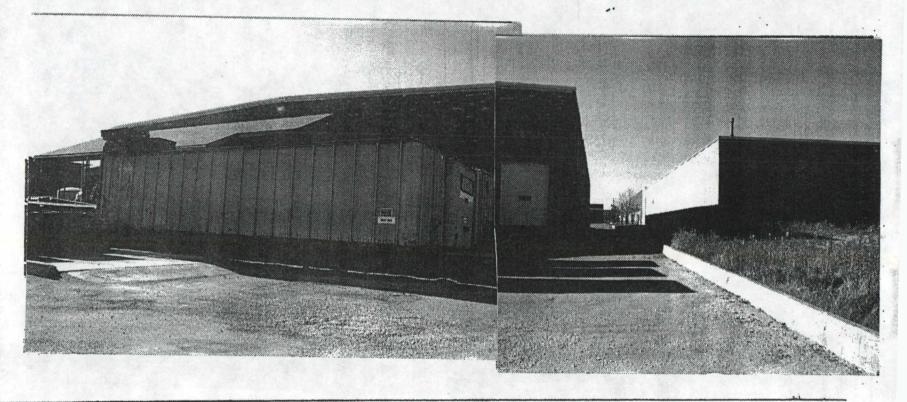
end of Venus Labs site.

		FIELD PHOTOGRAPHY LOG SHEET	
SITE NAME:	Venus Laboratories, Inc.		PAGE 8 OF all 6
U.S. EPA ID:	ILD 002 992 220	TDD: F05-8912-100	PAN: FILO319SB



DATE: 14 Nov 90	TIME: 11:49	DIRECTION OF PHOTOG	RAPH: W-NW	PHOTOGRAPHED BY:	Charles Hall	· · · ·
WEATHER CONDITION	S: sunny, clear	50s'F		SAMPLE ID (if	applicable):	nla
DESCRIPTION:	anorama	from southeast	corner of	the Venus Labs	site,	

### 4 · · · · · · · · · · · · · · · · ·		PIELD PHOTOGRAPHY LOG SHEET	
SITE NAME:	Venus Laboratories, Inc.		PAGE   OF 16
U.S. EPA ID:	ILD 002 992 220	TDD: F05-8912-100	PAN: FILO319SB



DATE: 14 Nov 90	TIME: 12	04 1	DIRECTION OF PHO	OTOGRAPH:	SW-	W PH	OTOGRAPH	ED BY:	Charles Hall		
WEATHER CONDITI		ear 50s F							applicable):	Ma.	
DESCRIPTION: _	Panorama	from	northeast	Corner	of	Venus	Labs	site.	•		-

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME:

Venus Laboratories, Inc.

PAGE 10 OF E16

U.S. EPA ID:

ILD 002 992 220

TOD:

F05-8912-100

PAR:

FILO 319 SB

DATE: Un Known

TIHE: un known

DIRECTION OF PHOTOGRAPH: NW

WEATHER CONDITIONS: ;

Sunny

PHOTOGRAPHED BY: Vehus Labs

SAMPLE ID (if applicable): n/a

DESCRIPTION:

Patio storage area in rear of Venus'

building and UST emplacement.

DATE: whknown

TIMB: unknown

DIRECTION OF PHOTOGRAPH:

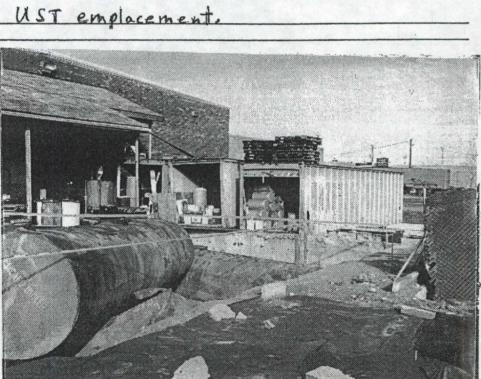
**VEATHER** CONDITIONS:

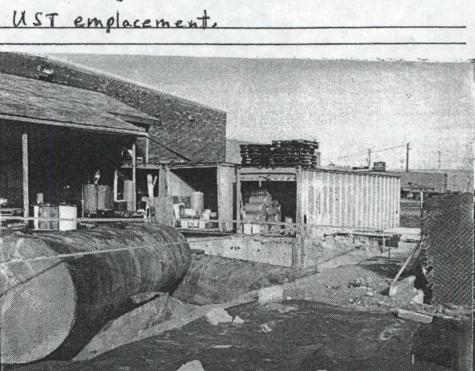
PHOTOGRAPHED BY: Venus Labs

SAMPLE ID (if applicable): n/a

DESCRIPTION: Patio storage area, semi-trailers used for

storage and UST Emplacement.





### FIELD PHOTOGRAPHY LOG SHEET.

SITE NAME:

Venus Laboratories, Inc.

2 08 = 16 PAGE

U.S. EPA ID:

ILD 002 992 220

F05-8912-100 TOD:

FILO319SB PAR:

DATE: 14 Nov 90

TIME: 12:17

DIRECTION OF PHOTOGRAPH:

east

WEATHER CONDITIONS: ;

sunny, clear 50s F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable): n/a

DESCRIPTION:

Driveway along northside of Venus' building

DATE: 14 Nov 90

TIME: 12:17

DIRECTION OF PHOTOGRAPH: Southeast

VRATHER CONDITIONS:

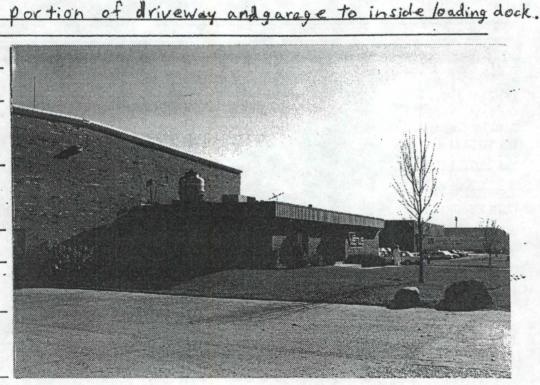
sunny, clear 50s F

PHOTOGRAPHED BY:

Charles Hall

SAMPLE ID (if applicable): n/a

DESCRIPTION: View of the front of Venus' building.



### PIELD PHOTOGRAPHY LOG SHEET.

SITE NAME:

Venus Laboratories, Inc.

13 OF = 16 PAGE

U.S. EPA ID: ILD 002 992 220

F05-8912-100 TOD:

FIL0319SB PAR:

DATE: 14 Nov 90

TIME: 13:55

DIRECTION OF PHOTOGRAPH:

northeast

**VEATHER** CONDITIONS: ;

sunny, clear 50s F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable): n/a

DESCRIPTION:



View of the south side of Venus' building

DATE: 14 Nov 90

TIME: 11:52

DIRECTION OF PHOTOGRAPH:

north

VEATHER CONDITIONS:

sunny, clear 50s F

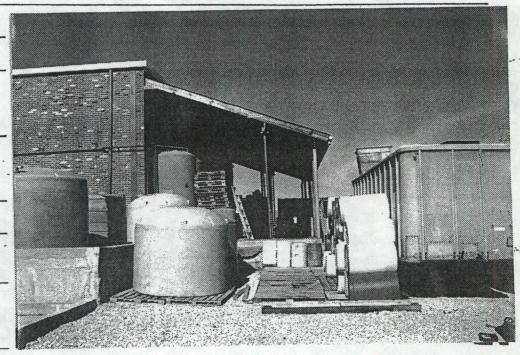
PHOTOGRAPHED BY:

\_ Charles Hall

SAMPLE ID (if applicable):

Patio storage area empty 55-gallon drums,

and one of six storage semi-trailers.



FIELD PHOTOGRAPHY LOG SHEET

SITE NAME:

Venus Laboratories, Inc.

PAGE 14 OF = 16.

U.S. EPA ID:

ILD 002 992 220

TDD: F05-8912-100

PAN: FILO319SB

DATE: 14 Nov 90

TIME: 15:25

DIRECTION OF PHOTOGRAPH:

east

WEATHER CONDITIONS: ;

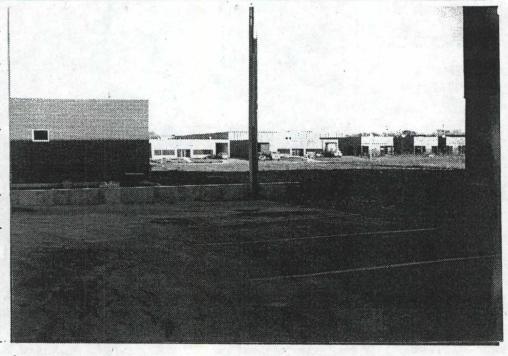
sunny, clear 50s F

PHOTOGRAPHED BY:

Charles Hall

SAMPLE ID (if applicable):

n/c-



DESCRIPTION: Rear berm to prevent nun-off. The road

east of the open field is Robert St., from which off-site reconnaissance photographs were taken.

FIELD PHOTOGRAPHY LOG SHEET Venus Laboratories, Inc. 15 OF = 16 PAGE SITE NAME: ILD 002 992 220 F05-8912-100 FIL0319SB U.S. EPA ID: TOD: PAG. DATE: 20 July 1990 TIHE: 12:45 DIRECTION OF PHOTOGRAPH: northwest WEATHER CONDITIONS: ; cloudy; thunderstorms ~75°F PHOTOGRAPHED BY: Charles Hall SAMPLE ID (if applicable): n/a Rear of Venus Labs (in center right) and adjacent buildings. DATE: 20 September 90 TIME: 9:05 DIRECTION OF PHOTOGRAPH: A orthwest **VEATHER** CONDITIONS: sunny: clear ~ 65°F PHOTOGRAPHED BY: Charles Hall SAMPLE ID (if applicable): n/a Rear of Venus Labs (in center right) and adjacent buildings.

PIELD PHOTOGRAPHY LOG SHEET

SITE NAME:

Venus Laboratories, Inc.

6 OF = 16 PAGE

U.S. EPA ID:

ILD 002 992 220

TOD:

F05-8912-100

PAN:

FILO319SB

DATE: 20 Sept 90

TIHE: 9:05

DIRECTION OF PHOTOGRAPH:

WEATHER CONDITIONS: ; Sunny; clear

~ 65°F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable):

Blue tarp covering mound Venus property. DESCRIPTION:

DATE: 20 Sept 90

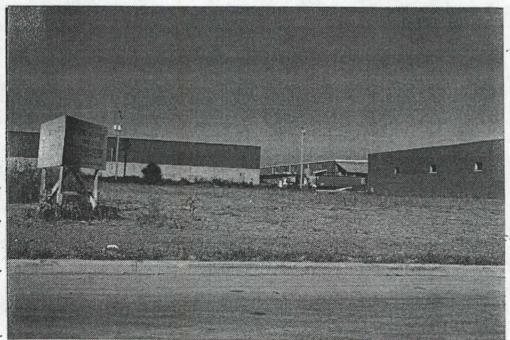
TIME: 9:05

DIRECTION OF PHOTOGRAPH: WNW

VEATHER CONDITIONS: sunny; clear ~65.°F

PHOTOGRAPHED BY: Charles Hall

SAMPLE ID (if applicable):



Backhoe behind telephone poll. Edge. DESCRIPTION: blue tarp.

### APPENDIX D

U.S. EPA TARGET COMPOUND LIST AND
TARGET ANALYTE LIST
QUANTITATION/DETECTION LIMITS

# Contract Laboratory Program Target Compound List Quantitation Limits

**************************************			SOIL	
COHPOUND	CAS I	VATER	SEDIHENT SLUDGE	
Chloromethane	74-87-3	10 ug/L	10 ug/Kg	
Bromomethane	74-83-9	10	10	
Vinyl chloride	75-01-4	10	10	
Chloroethane	75-00-3	10-	10	
Methylene chloride	75-09-2	5	5	
Acetone	67-64-1	10	5	
Carbon disulfide	75-15-0	5	5	
1.1-dichloroethene	75-35-4	5	5	
1,1-dichloroethane	75-34-3	. 5	5 .	
1,2-dichloroethene (total)	540-59-0	5	5	
Chloroform	67-66-3	5	5	•
1,2-dichloroethane	107-06-2	. 5	5	
2-butanone (KEK)	78-93-3	10	10 -	
1,1,1-trichloroethane	71-55-6	5	5	
Carbon tetrachloride	56-23-5	Š	5	
Vinyl acetate	108-05-4	10	10	
Bromodichloromethane	75-27-4	5	5	
1.2-dichloropropane	78-87-5	5	. 5	
cis-1,3-dichloropropene	10061-01-5	5	5	
Trichloroethene	79-01-6	\$		
Dibromochloromethane	124-48-1	5	Š	
1,1,2-trichloroethane	79-00-5	Š	5 5 5	
Benzene	71-43-2	5		
Trans-1,3-dichloropropene	10061-02-6	5	5 5	
Bromoform	75-25-2	5	5	
4-Methyl-2-pentanone	108-10-1	10	10	
2-Hexanone	591-78-6	10	10	
Tetrachloroethene	127-18-4	5	5	
Tolene	108-88-3	5	5	
1,1,2,2-tetrachloroethane	79-34-5	5	5	
Chlorobenzene	108-90-7	5	5	
Ethyl benzene	100-41-4	5	5 5 5 5	
Styrene	100-42-5	5	5	
Tylenes (total)	1330-20-7	5	5	

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

			SOIL Sedinent
COMPOUND	CAS !	VATER	SLUDGE
Phenol	108-95-2	10 ug/L	310
bis(2-Chloroethyl) ether	111-44-4	10 dg/L 10	350 ug/ <b>Kg</b>
2-Chlorophenol	95-57-8	10	330
1,3-Dichlorobenzene	541-73-1	10	330 330
1,4-Dichlorobenzene	106-46-7	10	330
Benzyl Alcohol	100-51-6	10	330
1,2-Dichlorobenzene	95-50-1	10	330
2-Hethylphenol	95-48-7	10	
bis(2-Chloroisopropyl) ether		10	330
4-Hethylphenol	106-44-5	10	330
N-Nitroso-di-n-dipropylamine	621-64-7	10	330
Hexachloroethane	67-72-1		330
Nitrobenzene	98-95-3	10	330
Isophorone	78-59-1	10	330
2-Nitrophenol	88-75-5	10	330.
2,4-Dimethylphenol	105-67-9	10	330
Benzoic Acid	65-85-0	10	330
bis(2-Chloroethoxy) methane	111-91-1	50	1600
2,4-Dichlorophenol	120-83-2	10	330
1,2,4-Trichlorobenzene	120-83-2	10	330
Naphthalene		10	330
4-Chlorosniline	91-20-3	10	330
Hexachlorobutadiene	106-47-8	10	330
4-Chloro-3-methylphenol	87-68-3	10	300
2-Methylnaphthalene	59-50-7	10	330
Hexachlorocyclopentadiene	91-57-6	10	330
2,4,6-Trichlorophenol	77-47-4	10	330
2,4,5-Trichlorophenol	88-06-2	10	330
2-Chloronaphthalene	95-95-4	50	1600
2-Nitrosmiline	91-58-7	10	330
Dimethylphthalate	88-74-4	50	1600
Acenaphthylene	131-11-3	10	330
2,6-Dinitrotoluene	208-96-8	10	330
3-Nitrosailine	606-20-2	10	330
•	99-09-2	50	1600
Acenaphthene	83-32-9	10	330
2,4-Dinitrophenol	51-28-5	50	1600
4-Nitrophenol Dibenzofuran	100-02-7	50	1600
	132-64-9	10	330
2,4-Dinitrotoluene	121-14-2	10	330
Diethylphthalate	84-66-2	10	330
4-Chlorophenyl-phenyl ether	7005-72-3	10	330

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

COHPOUND	Cas #	VATER	SOIL SLUDGE SEDIHENT
CONFOUND	CU2 A	AVISV	SWITTERL
Fluorene	86-73-7	10 mg/L	.330 ug/Kg
4-Nitroaniline	100-01-6	50	1600
4,6-Dinitro-2-methylphenol	534-52-1	50	1600
N-nitrosodiphenylamine	86-30-6	10	330
4-Bromophenyl-phenylether	101-55-3	10	330
Rexachlorobenzene	118-74-1	10	330
Pentachlorophenol	87-86-5	50	1600
Phenanthrene	85-01-8	10	330
Anthracene	120-12-7	10	330
Di-n-butylphthalate	84-74-2	10	330-
Fluoranthene	206-44-0	10	330
Pyrene	129-00-0	10	330
Butylbenzylphthalate	85-68-7	10	330
3,3'-Dichlorobenzidine	91-94-1	20	660
Benzo(a)anthracene	56-55-3	10	330
Chrysene	218-01-9	10	330
bis(2-Ethylhexyl)phthalate	117-81-7	10	330
Di-n-octylphthalate	117-84-0	10	3 <b>30</b>
Benzo(b)fluoranthene	205-99-2	10	330
Benzo(k)fluoranthene	207-08-9	10	330
Benzo(a)pyrene	50-32-8	10	330
Indeno(1,2,3-cd)pyrene	193-39-5	10	330
Dibenz(a,h)anthracene	53-70-3	10	330
Benzo(g,h,i)perylene	191-24-2	10	330

Table A (Cont.)

### CONTRACT LABORATORY PROGRAM

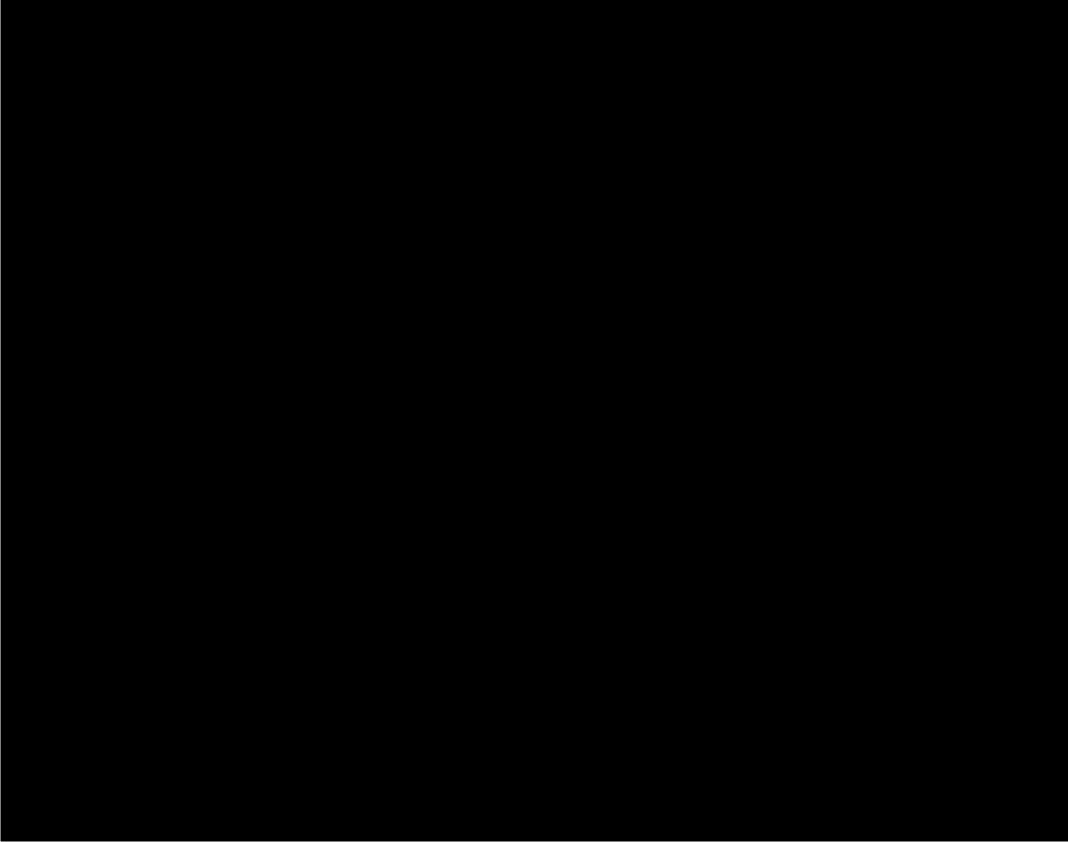
## TARGET ANALYTE LIST (TAL) INORGANIC DETECTION LIMITS

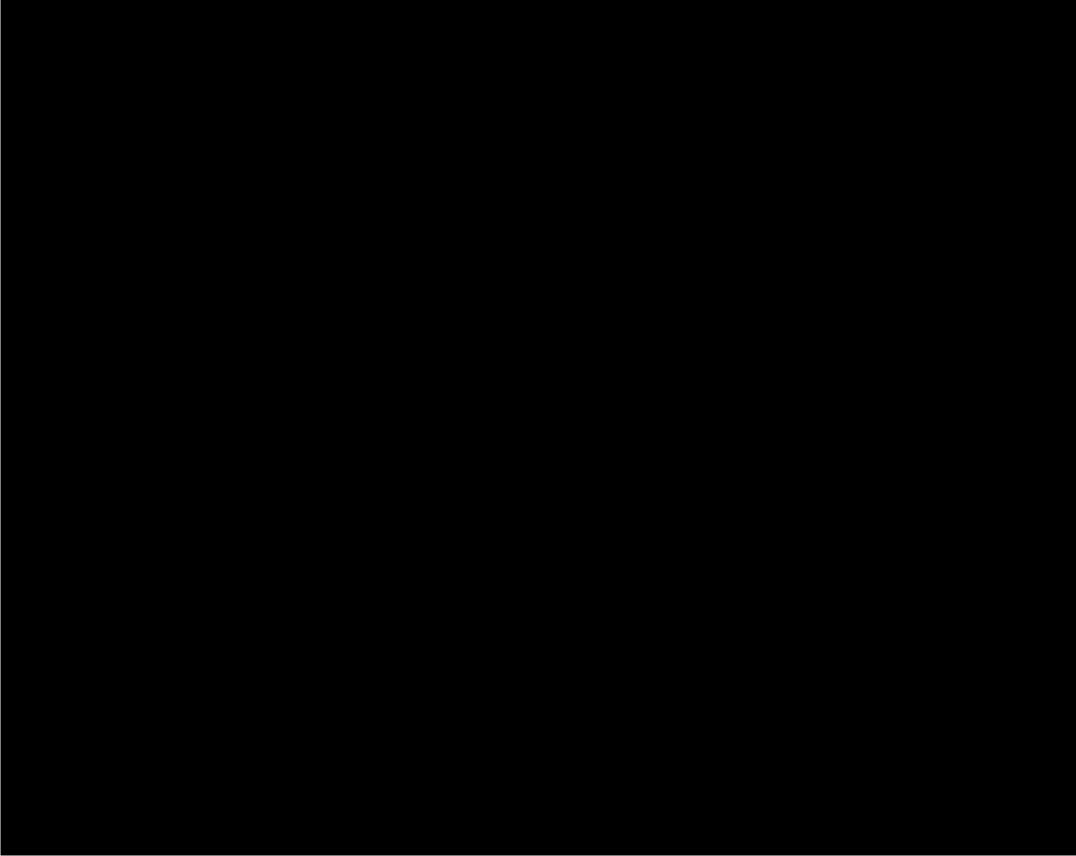
		Detection Limits		
Compound	Procedure	Vater (µg/L)	Soil Sediment Sludge (mg/kg)	
aluminum	ICP	200	40	
antimony	furnace	60	2.4	
arsenic	furnace	10	2	
bariu∎	ICP	200	40	
beryllium	ICP	5	- 1	
cadmium	ICP	5 🕠	1,	
calcium	ICP	5,000	1,000	
chromium	ICP	10	2	
cobalt	ICP	<b>5</b> 0	10	
copper	ICP	25	5	
iron	ICP	100	20	
lead	furnace	5	1	
magnesium	ICP	5,000	1,000	
manganese	ICP	15	3	
mercury	cold vapor	0.2	0.008	
nickel	ICP	40	8	
potassium	ICP	5,000	1,000	
selenium	furnace	5	. 1	
silver	ICP	10	2	
sodiu≡	·ICP	5,000	1,000	
thallium	furnace	10	. 2	
tin	ICT	40	8	
vanadium	ICP	50	10	
zinc	ICP	20	4	
cyanide	color	10	2	

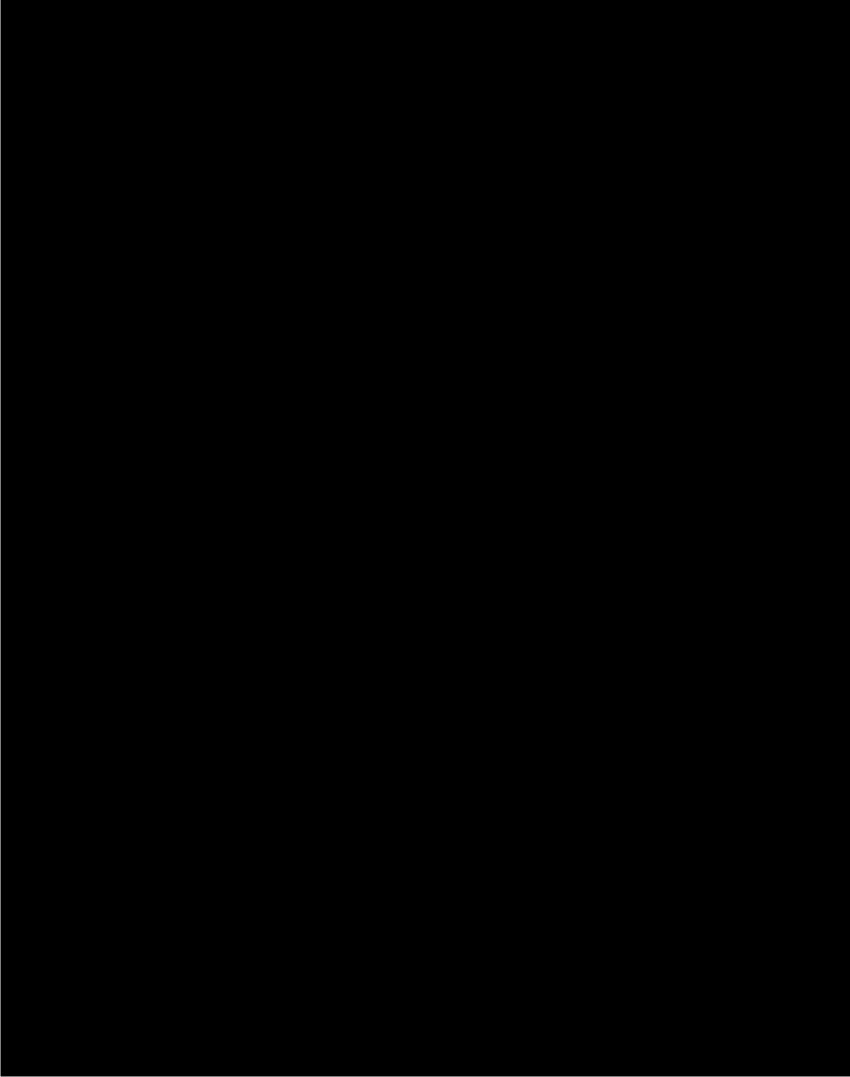
3767:1

### APPENDIX E

WELL LOGS OF THE AREA OF THE SITE







### APPENDIX N

### F001 - F005 - SPENT SOLVENTS

	CCW	CCWE
Acetone		0.05  mg/L
Benzene	0.070 mg/L	
n-Butyl alcohol		5.0
Carbon disulfide		1.05
Carbon tetrachloride		0.05
Chlorobenzene		0.15
Cresols (and cresylic acid)		2.82
Cyclohexanone		0.125
1,2-Dichlorobenzene		0.65
Ethyl acetate		0.05
Ethylbenzene		0.05
Ethyl ether		0.05
Isobutanol	1	5.0
Methanol	• •	0.25
Methylene chloride	• •	0.20
Methyl ethyl ketone		0.05
Methyl isobutyl ketone		0.05
Nitrobenzene		0.66
Pyridine		1.12
Tetrachloroethylene		0.079
Toluene		1.12
1,1,1-Trichloroethane		1.05
1,1,2-Trichloroethane	0.030	
1,1,2-Trichloro-		
1,2,2-Trifluoroethane		1.05
Trichloroethylene		0.062
Trichlorofluoromethane		0.05
Xylene		0.05

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

DATE: July 28, 1993

SUBJECT: Venus Labs, Multi-Media Inspection

FROM: Mark Horwitz, Chief Would

Office of Chemical Emergency Preparedness and Prevention, OSF

Bill Messenger, Chief James Be

Site Assessment Section, OSF

TO: Jan Pfundheller, Acting TAT DPO

Office of Emergency and Enforcement Response

On August 3, 1993, U.S. EPA will be conducting a Multi-Media Inspection of the Venus Labs facility located at 8950 Lively Boulevard, in Wood Dale, Illinois.

The assistance needed by the EPCRA program would be to take samples of any questionable or non-labeled containers of hazardous materials. Soil and water samples may also be needed to verify if releases of hazardous substances have occurred. Upgradient and downgradient sewer samples may be needed to verify illegal discharging at the time of the inspection. All sampling will be conducted according to the Agency protocols. Contact Ruth Mancos at 312-353-3193 for further direction regarding the EPCRA program needs.

The inspection team may need to conduct ambient air monitoring to ensure the safety of the inspectors when entering and during the inspection process.

The Site Assessment Section will need assistance in collecting and analyzing approximately 5 CIP water samples for organics and inorganics. The water CIP samples will be taken at the sewers, at the point of outfall from the drainage ditch into the creek which is approximately 1/4 mile off-site, and a field duplicate and blank. The TAT team leader should contact Alan Altur at 312-886-0390 to coordinate the CIP paperwork requirements, bottles and preservatives, etc.

CERCLIS ID#

ILD002992220 Venus Labs

Site Name Type of Activity

Site Inspection

Site Spill ID

ZZ